



ANNUAL REPORT

OF THE

Department of Public Works

OF THE

PROVINCE OF ALBERTA

1931-32

PUBLISHED BY ORDER OF THE LEGISLATIVE ASSEMBLY

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1933

Edmonton, March 31, 1932

To His Honour

W. L. WALSH,

Lieutenant Governor of the Province of Alberta.

SIR:

The undersigned has the honour to submit herewith the Report of the Department of Public Works for the fiscal year ending March 31, 1932.

Respectfully submitted,

O. L. MCPHERSON,

Minister of Public Works

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REPORT

OF THE
DEPUTY MINISTER OF PUBLIC WORKS
For the Fiscal Year Ending March 31, 1932.

HON. O. L. MCPHERSON,
Minister of Public Works.

SIR:

I have the honour to submit herewith the report of the Department of Public Works for the fiscal year ending March 31, 1932.

The report of the chief district engineer contains the mileage and cost of main highways maintained, capital and income grants earned by municipal authorities on district highways and local roads, statement of expenditure for the construction of secondary highways, ferry construction and ferries operated with the cost of maintenance of each.

The report of the highway commissioner contains full details of contracts awarded for the improvement of main highways, the mileage of sub-grade constructed and the mileage surfaced with gravel, also a detailed statement showing the cost of construction and gravel surfacing on the various highways in the province. The above reports reveal the fact that a very heavy programme of road maintenance and road construction was carried to completion during the season of 1931. The diagram published in the report of the highway commissioner shows that we now have 2,648.49 miles of main and secondary highways graded according to standard specifications and 1,679.91 miles of main and secondary highways which have been gravel surfaced. In addition to this, some 70 miles have been treated with bituminized gravel surfacing.

The reports of the provincial gaols show a slight decrease in the total number of prisoners during the past year. There was a slight increase at the Fort Saskatchewan gaol but the decrease at Lethbridge more than off-set the same. The total daily average for the two gaols was 493.73, a decrease of 5.69 over the previous year. While the decrease is small, it is encouraging in view of the general depression throughout the province and especially during the last six months of the year.

I also submit herewith the following reports from the other branches of your department:

The report of the bridge engineer, showing the number of bridges constructed and maintained during the year, together with the details of steel bridges constructed.

The report of the director of surveys, containing a summary of the work of the surveys branch of your department.

The report of the superintendent of buildings, with details covering the construction and maintenance of provincial buildings.

The report of the superintendent of power plants, dealing with the work of his branch of your department.

The report of the chief clerk, showing franchises issued for the operation of public vehicles as required by section 22 of The Public Vehicles Act, 1927.

Respectfully submitted

J. D. ROBERTSON,
Deputy Minister,

**MAIN HIGHWAYS MAINTENANCE—DISTRICT
HIGHWAYS AND LOCAL ROADS—SECONDARY
HIGHWAYS—FERRY CONSTRUCTION,
OPERATION AND MAINTENANCE**

(H. P. KEITH, *Chief District Engineer*)

The attached annual report for the fiscal year of 1931-32 contains in detail the following:

1. Statement showing expenditure on maintenance of main highways. A total of 3,356 miles of this class of road was maintained at a cost of \$1,019,991.88.
2. A statement showing the distribution from both capital and income accounts of funds to assist municipal units in the construction and maintenance of district highways and local roads. A total expenditure of \$896,735.73 was made in this way.
3. A statement showing an expenditure of \$231,188.49 for the construction of secondary highways.
4. A statement showing the distribution of an expenditure from capital account of \$281,071.38, carried out by day labour on miscellaneous projects.
5. A statement showing in detail the expenditure made in connection with the maintenance, operation and reconstruction of ferries from income account. There were 56 ferries in operation during the season at a total cost of \$81,443.24.
6. A statement showing an expenditure of \$5,655.38 from capital account and covering the construction of two new ferries.

**STATEMENT OF EXPENDITURE FROM INCOME FOR FISCAL YEAR ENDING
MARCH 31, 1932, FOR THE MAINTENANCE OF HIGHWAYS**

Location	Miles.	Amount.
Edmonton to Calgary—		
Sec. A. Calgary to Red Deer	95.0	\$147,384.66
Sec. B. Red Deer to Wetaskiwin	54.0	155,316.72
Sec. C. Wetaskiwin to Edmonton	37.0	47,617.49
Calgary to Banff Park Boundary	72.0	75,674.50
Calgary to Medicine Hat—		
Sec. A. Calgary to E. Bdry. Rge. 16-4	101.0	24,979.91
Sec. B. E. Bdry. Rge. 16-4 to Medicine Hat	99.0	6,278.95
Calgary to U. S. Boundary—		
Sec. A. Calgary to Nanton	54.0	33,436.09
Sec. B. Nanton to Carway	107.0	24,889.01
Walsh to Crowsnest—		
Sec. A. Walsh to Grassy Lake	86.0	9,536.34
Sec. B. Grassy Lake to Crowsnest	160.0	69,636.30
Lethbridge to Coutts	76.0	24,280.59
Calgary to Bowness Park	4.5	8,435.98
Hanna to Viking—		
Sec. A. Hanna to Battle River	63.0	7,279.41
Sec. B. Battle River to Viking	54.0	2,972.86
Calgary to Alsask—		
Sec. A. Inverlake to Drumheller	70.0	16,502.39
Sec. B. Drumheller to Alsask	155.0	12,105.24
Lacombe to Compeer—		
Sec. A. Lacombe to Halkirk	76.0	16,579.49
Sec. B. Halkirk to Coronation	41.0	4,138.49
Sec. C. Coronation to Compeer	76.0	9,740.74
Wetaskiwin to Hayter—		
Sec. A. Wetaskiwin to Camrose	28.0	4,122.21
Sec. B. Camrose to Hayter	158.0	14,409.80
Edmonton to Butze—		
Sec. A. Edmonton to Wainwright	147.0	19,543.96
Sec. B. Wainwright to Butze	38.0	2,677.95

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Location	Miles.	Amount.
Edmonton to Lloydminster—		
Sec. A. Edmonton to Chipman	40.0	\$ 15,102.85
Sec. B. Chipman to E. Bdry. Range 13	48.0	12,622.00
Sec. C. E. Bdry. Rge. 13 to Lloydminster	91.0	15,871.20
Edmonton to Jasper—		
Sec. A. Edmonton to Edson	123.0	20,245.86
Sec. B. Edson to Jasper	74.0	6,267.93
Edmonton to Athabasca	90.0	19,498.28
Athabasca to Peace River—		
Sec. A. Athabasca to N. Bdry. Tp. 68	30.0	869.19
Sec. B. N. Bdry. Tp. 68 to Peace River	210.0	34,055.59
Peace River to Grande Prairie—		
Sec. A. Peace River to 6th Meridian	40.0	6,815.15
Sec. B. 6th Meridian to Grande Prairie	96.0	9,020.68
Grande Prairie to Pouce Coupe	65.0	6,190.31
Edmonton to N.E. 24-53-19-4	36.0	4,303.89
Grimshaw to Battle River	50.0	7,596.12
Sylvan Lake to Rocky Mountain House	40.0	4,327.76
Lacombe—Gull Lake—Sylvan Lake to N. of Red Deer	35.0	5,013.28
Drumheller to Wayne	8.0	1,954.03
Cardston to Waterton Lakes Park	25.0	5,864.54
Pincher Creek to Waterton Lakes Park	33.0	5,634.59
Okotoks to Black Diamond	17.0	8,375.49
Fifth Meridian to Alberta Beach	18.0	1,043.45
St. Albert to Fifth Meridian	25.0	1,058.28
Kipp to Carmangay	26.0	5,440.47
Carmangay to High River	65.0	9,459.89
Brosseau to Cold Lake	100.0	7,112.16
Jasper Highway to Seba Beach	2.0	2,920.00
Lethbridge to Cardston	51.0	8,909.06
Vulcan to Strathmore	46.0	3,612.08
Millarville South	6.0	394.85
Woodbend District Highway	2.0	2,462.60
Jasper Highway to Country Club .....	.....	463.30
Clyde to Westlock	13.0	1,958.61
Total	3,356.5	\$ 972,002.37

SUMMARY

Maintenance of Highways	\$ 972,002.37
Administration and Supervision	24,435.81
Machinery and Equipment	9,239.80
Repairs	3,899.69
Sundries	10,414.21
	\$1,019,991.88

STATEMENT OF EXPENDITURE ON CONSTRUCTION AND MAINTAINANCE OF DISTRICT AND LOCAL ROADS, APRIL 1, 1931, TO MARCH 31, 1932

I.D. or M.D. No.	Income	Capital	Total
I.D. 1	\$ 439.35	\$	\$ 439.35
I.D. 2	478.29	247.75	726.04
I.D. 3	530.75	100.00	630.75
I.D. 4	872.90	1,000.00	1,872.90
I.D. 5	508.35	500.00	1,008.35
I.D. 6	839.65	198.80	1,038.45
I.D. 7	966.70	1,000.00	1,966.70
I.D. 8	1,092.07	514.00	1,606.07
I.D. 9	950.70	1,000.00	1,950.70
M.D. 10	668.00	.....	668.00
I.D. 31	418.65	.....	418.65
I.D. 32	809.77	741.52	1,551.29
M.D. 33	884.96	77.60	962.56
M.D. 34	348.58	127.10	475.68
I.D. 35	765.00	250.00	1,015.00
M.D. 36	680.00	760.00	1,440.00
M.D. 37	1,085.00	6,738.73	7,823.73
I.D. 38	889.00	.....	889.00
M.D. 39	1,319.00	.....	1,319.00
M.D. 40	778.00	280.00	1,058.00
I.D. 61	1,008.64	976.32	1,984.96
I.D. 62	882.79	894.32	1,777.11
I.D. 63	808.64	938.75	1,747.39
M.D. 64	572.57	440.44	1,013.01
M.D. 65 .....	.....	.....	.....

DEPARTMENT OF PUBLIC WORKS

I.D. or M.D. No.	Income	Capital	Total
I.D. 66.....	\$ 1,064.50	\$ 498.25	\$ 1,562.75
I.D. 67.....	1,395.00	500.00	1,895.00
I.D. 68.....	845.00	1,000.00	1,845.00
M.D. 69.....	840.00	.....	840.00
M.D. 70.....	1,420.00	500.00	1,920.00
I.D. 71.....	319.00	.....	319.00
I.D. 91.....	1,077.56	692.03	1,769.59
M.D. 92.....	909.00	254.37	1,163.37
I.D. 93.....	664.83	879.40	1,544.23
M.D. 94.....	383.87	48.31	432.18
I.D. 96.....	462.70	500.00	962.70
I.D. 97.....	1,388.00	1,000.00	2,388.00
M.D. 98.....	1,075.00	1,000.00	2,075.00
M.D. 99.....	960.00	2,400.00	3,360.00
I.D. 100.....	868.18	913.56	1,781.74
I.D. 101.....	367.00	.....	367.00
I.D. 121.....	590.41	1,000.00	1,590.41
I.D. 122.....	744.10	723.80	1,467.90
I.D. 123.....	771.75	559.25	1,331.00
I.D. 124.....	100.00	400.00	500.00
I.D. 125.....	1,027.00	500.00	1,527.00
I.D. 126.....	598.65	1,000.00	1,598.65
M.D. 127.....	194.04	.....	194.04
M.D. 128.....	.....	.....	.....
M.D. 129.....	1,686.00	2,000.00	3,686.00
I.D. 130.....	887.00	1,000.00	1,887.00
I.D. 131.....	388.00	.....	388.00
I.D. 151.....	983.00	900.00	1,883.00
I.D. 152.....	646.90	.....	646.90
I.D. 153.....	787.24	.....	787.24
I.D. 154.....	444.50	478.15	922.65
I.D. 155.....	760.78	995.16	1,755.94
I.D. 156.....	399.50	498.96	898.46
M.D. 157.....	1,492.00	4,000.00	5,492.00
M.D. 158.....	1,400.00	.....	1,400.00
M.D. 159.....	1,625.00	2,000.00	3,625.00
I.D. 160.....	.....	.....	.....
I.D. 161.....	.....	.....	.....
I.D. 181.....	988.32	890.37	1,878.69
I.D. 182.....	856.30	299.25	1,155.55
I.D. 183.....	953.88	.....	953.88
I.D. 184.....	451.64	300.00	751.64
I.D. 185.....	1,025.44	1,169.50	2,194.94
I.D. 186.....	879.00	498.96	1,377.96
M.D. 189.....	1,908.00	1,987.20	3,895.20
M.D. 190.....	1,440.00	.....	1,440.00
M.D. 191.....	1,484.00	233.70	1,717.70
I.D. 211.....	622.00	877.10	1,499.10
I.D. 212.....	904.60	1,000.00	1,904.60
I.D. 213.....	731.00	700.00	1,431.00
M.D. 214.....	1,140.00	719.66	1,859.66
M.D. 215.....	624.00	1,000.00	1,624.00
I.D. 216.....	.....	460.32	460.32
I.D. 217.....	1,031.38	498.96	1,530.34
M.D. 218.....	1,164.51	1,377.00	2,541.51
M.D. 219.....	.....	.....	.....
M.D. 220.....	.....	500.00	500.00
M.D. 221.....	787.00	1,000.00	1,787.00
I.D. 222.....	1,028.96	500.00	1,528.96
M.D. 241.....	1,071.00	1,500.00	2,571.00
M.D. 242.....	1,029.00	1,000.00	2,029.00
M.D. 243.....	1,029.00	1,000.00	2,029.00
M.D. 244.....	967.00	951.01	1,918.01
M.D. 245.....	932.50	985.10	1,917.60
I.D. 246.....	639.65	699.00	1,338.65
I.D. 247.....	674.91	.....	674.91
M.D. 248.....	1,308.00	200.70	1,508.70
M.D. 249.....	653.30	.....	653.30
M.D. 250.....	1,620.00	1,000.00	2,620.00
I.D. 251.....	1,070.00	500.00	1,570.00
I.D. 252.....	863.00	1,000.00	1,863.00
M.D. 271.....	1,029.00	919.87	1,948.87
M.D. 272.....	1,029.00	1,145.00	2,174.00
M.D. 273.....	979.00	1,500.00	2,479.00
M.D. 274.....	992.00	1,000.00	1,992.00
M.D. 275.....	976.30	900.00	1,876.30
I.D. 276.....	1,500.00	1,882.66	3,382.66
M.D. 277.....	1,230.00	1,200.00	2,430.00
M.D. 278.....	1,685.00	2,000.00	3,685.00
M.D. 279.....	1,063.82	.....	1,063.82
M.D. 280.....	1,687.00	2,000.00	3,687.00
M.D. 281.....	605.35	1,000.00	1,605.35
I.D. 282.....	1,113.14	.....	1,113.14
M.D. 301.....	1,028.42	1,000.00	2,028.42
M.D. 302.....	1,017.00	1,000.00	2,017.00
M.D. 303.....	1,004.00	1,000.00	2,004.00
M.D. 304.....	903.00	1,000.00	1,903.00
M.D. 305.....	1,091.01	1,000.00	2,091.01
M.D. 306.....	1,222.00	1,121.39	2,343.39
M.D. 307.....	1,071.00	1,000.00	2,071.00

I.D. or M.D. No.	Income	Capital	Total
M.D. 308.....	\$ 1,559.00	\$ 1,500.00	\$ 3,059.00
M.D. 309.....	1,511.00	1,200.00	2,711.00
M.D. 310.....	1,785.00	2,000.00	3,785.00
M.D. 311.....	1,545.00	1,000.00	2,545.00
M.D. 312.....	2,036.00	1,000.00	3,036.00
I.D. 331.....	1,065.60	1,000.00	2,065.60
I.D. 332.....	1,096.00	1,000.00	2,096.00
I.D. 333.....	1,197.30	1,000.00	2,197.30
M.D. 334.....	1,843.00	1,000.00	2,843.00
M.D. 335.....	801.00	928.00	1,729.00
M.D. 336.....	1,496.94	1,780.45	3,277.39
M.D. 337.....	1,490.00	-----	1,490.00
M.D. 338.....	1,754.00	2,000.00	3,754.00
M.D. 339.....	1,429.00	1,000.00	2,429.00
M.D. 340.....	1,865.00	500.00	2,365.00
M.D. 341.....	1,623.77	600.00	2,223.77
M.D. 342.....	1,569.98	1,500.00	3,069.98
M.D. 343.....	1,627.01	1,000.00	2,627.01
I.D. 344.....	263.00	-----	263.00
M.D. 361.....	1,308.00	1,500.00	2,808.00
M.D. 362.....	1,352.00	1,000.00	2,352.00
M.D. 363.....	1,434.00	2,000.00	3,434.00
M.D. 364.....	1,763.00	3,000.00	4,763.00
M.D. 365.....	1,605.00	1,200.00	2,805.00
M.D. 366.....	1,103.50	1,500.00	2,603.50
M.D. 367.....	1,561.00	1,500.00	3,061.00
M.D. 371.....	1,703.00	1,500.00	3,203.00
M.D. 391.....	1,465.00	1,200.00	2,665.00
M.D. 392.....	1,346.00	900.00	2,246.00
M.D. 393.....	1,371.00	2,000.00	3,371.00
M.D. 394.....	1,070.00	1,500.00	2,570.00
M.D. 395.....	1,372.00	2,000.00	3,372.00
M.D. 396.....	1,264.00	2,250.00	3,514.00
M.D. 397.....	1,255.00	1,000.00	2,255.00
M.D. 398.....	1,633.00	2,000.00	3,633.00
M.D. 399.....	2,269.00	1,500.00	3,769.00
M.D. 400.....	1,589.00	2,500.00	4,089.00
M.D. 401.....	2,133.00	2,600.00	4,733.00
I.D. 403.....	1,210.00	-----	1,210.00
M.D. 421.....	1,434.00	1,000.00	2,434.00
M.D. 422.....	1,446.00	1,000.00	2,446.00
M.D. 423.....	1,371.00	1,000.00	2,371.00
M.D. 424.....	940.00	1,200.00	2,140.00
M.D. 425.....	1,716.00	512.00	2,228.00
M.D. 426.....	1,706.00	1,600.00	3,306.00
M.D. 427.....	1,708.00	2,000.00	3,708.00
M.D. 428.....	1,005.00	1,850.00	2,855.00
M.D. 429.....	1,714.00	2,000.00	3,714.00
M.D. 430.....	1,608.00	1,500.00	3,108.00
M.D. 431.....	1,525.00	-----	1,525.00
M.D. 451.....	1,448.00	2,500.00	3,948.00
M.D. 452.....	1,360.00	1,500.00	2,860.00
M.D. 453.....	1,474.00	1,700.00	3,174.00
M.D. 454.....	1,332.00	1,500.00	2,832.00
M.D. 455.....	1,511.00	1,500.00	3,011.00
M.D. 456.....	1,511.00	2,000.00	3,511.00
M.D. 457.....	1,613.00	2,000.00	3,613.00
M.D. 458.....	2,212.00	1,300.00	3,512.00
M.D. 459.....	1,768.98	2,000.00	3,768.98
M.D. 460.....	1,237.00	2,000.00	3,237.00
I.D. 461.....	1,438.39	-----	1,438.39
I.D. 462.....	454.60	-----	454.60
M.D. 481.....	1,405.50	-----	1,405.50
M.D. 482.....	1,619.00	1,600.00	3,219.00
M.D. 483.....	1,651.00	1,800.00	3,451.00
M.D. 484.....	1,562.00	-----	1,562.00
M.D. 485.....	1,399.00	2,000.00	3,399.00
M.D. 486.....	1,828.00	1,000.00	2,828.00
M.D. 487.....	1,985.45	-----	1,985.45
M.D. 488.....	1,663.00	1,500.00	3,163.00
M.D. 489.....	2,254.35	2,000.00	4,254.35
M.D. 490.....	2,097.00	1,000.00	3,097.00
I.D. 491.....	1,421.30	-----	1,421.30
I.D. 493.....	-----	-----	-----
M.D. 511.....	1,840.00	800.00	2,640.00
M.D. 512.....	1,777.00	2,000.00	3,777.00
M.D. 513.....	1,669.00	1,800.00	3,469.00
M.D. 514.....	1,729.00	1,800.00	3,529.00
M.D. 515.....	1,840.00	920.18	2,760.18
M.D. 516.....	244.12	-----	244.12
M.D. 517.....	1,623.00	1,500.00	3,123.00
M.D. 518.....	1,551.00	2,149.83	3,700.83
M.D. 519.....	1,853.00	3,000.00	4,853.00
M.D. 520.....	1,982.00	2,000.00	3,982.00
M.D. 521.....	2,010.00	1,500.00	3,510.00
M.D. 522.....	1,986.80	575.00	2,561.80
I.D. 523.....	366.22	-----	366.22
I.D. 524.....	1,526.12	-----	1,526.12
I.D. 525.....	517.25	-----	517.25
I.D. 526.....	708.00	-----	708.00
I.D. 527.....	873.00	-----	873.00

DEPARTMENT OF PUBLIC WORKS

I.D. or M.D. No.	Income	Capital	Total
I.D. 541.....	\$ 1,125.94	\$ 274.50	\$ 1,400.44
M.D. 542.....	1,457.00	-----	1,457.00
M.D. 543.....	2,137.00	1,300.00	3,437.00
M.D. 544.....	1,254.00	641.50	1,895.50
M.D. 545.....	1,928.00	1,700.00	3,728.00
M.D. 546.....	1,893.00	1,500.00	3,393.00
M.D. 547.....	1,833.00	1,500.00	3,333.00
M.D. 548.....	2,088.25	1,500.00	3,588.25
M.D. 549.....	1,736.00	1,500.00	3,236.00
M.D. 550.....	2,063.00	1,300.00	3,363.00
M.D. 551.....	2,480.00	1,700.00	4,180.00
M.D. 552.....	1,967.00	424.00	2,391.04
I.D. 553.....	1,653.00	-----	1,653.00
I.D. 554.....	1,299.06	-----	1,299.06
I.D. 555.....	1,538.29	295.90	1,834.19
I.D. 556.....	1,059.03	-----	1,059.03
I.D. 557.....	155.27	-----	155.27
I.D. 558.....	30.75	-----	30.75
I.D. 571.....	1,232.93	-----	1,232.93
M.D. 572.....	1,233.00	1,270.64	2,553.64
M.D. 573.....	1,909.00	2,000.00	3,909.00
M.D. 574.....	1,138.00	1,000.00	2,138.00
M.D. 575.....	1,979.00	2,000.00	3,979.00
M.D. 576.....	2,433.00	1,200.00	3,633.00
M.D. 577.....	2,501.00	1,500.00	4,001.00
M.D. 578.....	2,221.00	1,000.00	3,221.00
M.D. 579.....	2,325.00	1,500.00	3,825.00
M.D. 580.....	2,074.00	1,500.00	3,574.00
M.D. 581.....	2,286.00	2,000.00	4,286.00
M.D. 582.....	2,829.00	2,000.00	4,829.00
I.D. 583.....	2,358.30	1,000.00	3,358.30
I.D. 584.....	1,431.50	165.65	1,597.15
I.D. 585.....	837.00	-----	837.00
I.D. 601.....	1,361.48	-----	1,361.48
I.D. 602.....	1,659.56	500.00	2,159.56
I.D. 603.....	1,550.99	-----	1,550.99
I.D. 604.....	1,284.50	-----	1,284.50
M.D. 605.....	1,173.00	1,400.00	2,573.00
I.D. 606.....	1,189.60	-----	1,189.60
I.D. 607.....	1,746.46	1,468.46	3,214.92
M.D. 608.....	1,949.00	1,400.00	3,349.00
M.D. 609.....	2,369.00	2,500.00	4,869.00
M.D. 610.....	1,983.60	1,500.00	3,483.60
I.D. 611.....	1,270.82	-----	1,270.82
I.D. 612.....	990.30	-----	990.30
I.D. 613.....	1,086.00	-----	1,086.00
I.D. 614.....	94.19	-----	94.19
I.D. 615.....	732.00	-----	732.00
I.D. 631.....	1,146.40	-----	1,146.40
I.D. 632.....	478.70	-----	478.70
I.D. 634.....	1,269.80	-----	1,269.80
I.D. 635.....	1,815.65	-----	1,815.65
I.D. 636.....	901.72	-----	901.72
M.D. 637.....	1,783.00	300.00	2,083.00
M.D. 638.....	1,938.00	1,500.00	3,438.00
I.D. 639.....	904.81	1,110.53	2,015.34
I.D. 640.....	1,449.86	402.53	1,852.39
I.D. 641.....	2,315.18	997.26	3,312.44
I.D. 665.....	1,525.67	-----	1,525.67
I.D. 666.....	580.65	-----	580.65
I.D. 667.....	2,168.48	803.99	2,972.47
M.D. 668.....	1,473.00	300.00	1,773.00
I.D. 669.....	877.12	-----	877.12
I.D. 695.....	721.90	-----	721.90
I.D. 696.....	946.00	-----	946.00
I.D. 697.....	1,337.60	640.15	1,977.75
I.D. 698.....	269.50	-----	269.50
I.D. 699.....	532.47	-----	532.47
I.D. 705.....	532.35	-----	532.35
I.D. 706.....	585.35	-----	585.35
I.D. 707.....	737.15	-----	737.15
I.D. 708.....	808.34	-----	808.34
I.D. 709.....	217.50	-----	217.50
I.D. 710.....	730.80	-----	730.80
I.D. 726.....	1,721.19	-----	1,721.19
I.D. 727.....	541.32	-----	541.32
I.D. 728.....	733.75	-----	733.75
I.D. 729.....	770.20	-----	770.20
I.D. 730.....	406.00	-----	406.00
I.D. 731.....	430.87	-----	430.87
I.D. 732.....	1,020.78	346.00	1,366.78
I.D. 733.....	634.75	-----	634.75
I.D. 734.....	707.00	-----	707.00
I.D. 735.....	645.43	-----	645.43
I.D. 736.....	347.77	-----	347.77
I.D. 737.....	825.00	-----	825.00
I.D. 738.....	1,662.00	-----	1,662.00
M.D. 739.....	2,845.00	2,628.30	5,473.30
M.D. 740.....	2,230.00	270.68	2,500.68
I.D. 741.....	2,250.37	2,229.01	4,479.38

I.D. or M.D. No.	Income	Capital	Total
I.D. 742.....	\$ 1,284.16	\$ 137.00	\$ 1,421.16
I.D. 761.....	229.10	.....	229.10
I.D. 762.....	66.00	.....	66.00
I.D. 763.....	158.00	.....	158.00
I.D. 764.....	1,895.00	497.70	2,392.70
I.D. 765.....	1,830.34	.....	1,830.34
I.D. 766.....	2,227.20	600.00	2,827.20
I.D. 767.....	1,483.00	.....	1,483.00
I.D. 769.....	1,762.05	.....	1,762.05
I.D. 770.....	2,143.93	500.00	2,643.93
I.D. 771.....	2,284.78	1,639.23	3,924.01
I.D. 772.....	2,380.55	150.00	2,530.55
I.D. 793.....	222.75	.....	222.75
I.D. 794.....	1,527.45	.....	1,527.45
I.D. 795.....	274.45	.....	274.45
I.D. 796.....	3,182.75	1,800.00	4,982.75
I.D. 797.....	1,196.30	.....	1,196.30
I.D. 800.....	1,278.17	.....	1,278.17
I.D. 801.....	809.75	.....	809.75
I.D. 819.....	508.25	.....	508.25
I.D. 825.....	1,639.00	340.60	1,979.60
I.D. 826.....	1,985.14	600.00	2,585.14
I.D. 827.....	688.10	.....	688.10
I.D. 828.....	1,505.15	399.43	1,904.58
M.D. 829.....	1,870.90	600.00	2,470.90
I.D. 830.....	1,727.55	.....	1,727.55
I.D. 831.....	1,554.13	.....	1,554.13
I.D. 843.....	1,445.88	.....	1,445.88
I.D. 855.....	1,589.75	.....	1,589.75
M.D. 857.....	3,069.51	1,151.55	4,221.06
M.D. 858.....	2,892.39	2,500.00	5,392.39
I.D. 859.....	1,484.00	.....	1,484.00
I.D. 861.....	507.00	.....	507.00
I.D. 873.....	556.00	.....	556.00
I.D. 874.....	383.00	.....	383.00
I.D. 886.....	1,933.05	400.00	2,333.05
I.D. 887.....	1,832.27	.....	1,832.27
I.D. 888.....	1,545.00	.....	1,545.00
I.D. 889.....	1,562.35	.....	1,562.35
I.D. 890.....	222.00	.....	222.00
I.D. 916.....	1,381.27	.....	1,381.27
I.D. 917.....	1,147.00	.....	1,147.00
I.D. 919.....	249.00	.....	249.00
I.D. 920.....	377.50	.....	377.50
I.D. 946.....	2,587.21	.....	2,587.21
I.D. 947.....	516.72	.....	516.72
I.D. 976.....	34.00	.....	34.00
I.D. 977.....	579.87	.....	579.87
I.D. 978.....	496.50	.....	496.50
I.D. 1037.....	28.70	.....	28.70
I.D. 1038.....	393.00	.....	393.00
I.D. 1065.....	659.96	.....	659.96
I.D. 1092.....	250.00	.....	250.00
I.D. 1094.....	988.75	.....	988.75
I.D. 1113.....	1,208.57	.....	1,208.57
I.D. 1124.....	930.00	194.75	1,124.75
I.D. 1125.....	665.40	.....	665.40
Special Appropriations Indian Reserves.....	7,774.59	6,265.84	14,040.43

SPECIAL APPROPRIATIONS:

Onoway to a point 8 miles North of Greencourt.....	2,252.05	.....	2,252.05
Old Barrhead corner to Fort Assiniboine.....	1,213.56	.....	1,213.56
Improvement of Roads in Cypress Hills Forest Reserve.....	.....	1,972.34	1,972.34
South of 1-32-5-5.....	.....	999.97	999.97
Bentley West.....	.....	90.87	90.87
Rocky Mountain House Horburg.....	.....	434.15	434.15
South Boundary Tp. 46-6 and 7-5.....	.....	500.00	500.00
West of 30 and 31 -62-5-4.....	.....	998.40	998.40
Lac La Biche Mission Westerly.....	.....	4,966.30	4,966.30
Lac La Biche River Bridge South.....	.....	1,002.85	1,002.85
Venice—Lac La Biche.....	.....	1,499.15	1,499.15
Duvernay—Cold Lake (Indian Reserve No. 149).....	.....	4,998.12	4,998.12
Breton Westerly.....	.....	1,956.65	1,956.65
Entwistle—Rocky Rapids.....	.....	3,000.00	3,000.00
Evansburg—Rochfort.....	.....	2,002.90	2,002.90
McKay Northerly.....	.....	2,492.69	2,492.69
Rosevear—Peers.....	.....	1,993.94	1,993.94
Anselmo—Mahaska.....	.....	2,993.85	2,993.85
Edson—Mahaska.....	.....	1,595.86	1,595.86
Greencourt—Whitecourt via Blueridge.....	.....	4,914.26	4,914.26
South of 5 and 6 -60-5-5.....	.....	1,834.55	1,834.55
North 33 and 34 -63-20-4.....	.....	1,000.00	1,000.00
Fawcett—Flatbush.....	.....	2,412.45	2,412.45
Through 13 and 14 -63-1-5, Jarvie West.....	.....	557.90	557.90
Paxson—Athabasca.....	.....	3,607.82	3,607.82
Boyle—North East.....	.....	1,490.35	1,490.35
Barrhead—Fort Assiniboine.....	.....	5,203.42	5,203.42

DEPARTMENT OF PUBLIC WORKS

Location	Income	Capital	Total
South of 26, 27 and 28 -63-1-5		\$ 437.80	\$ 437.80
District Highway through 76-15 and 16-5..		352.75	352.75
South of High Prairie		800.00	800.00
Snipe Lake—North to New Road		2,979.90	2,979.90
Big Prairie to Peavine Settlement		2,037.69	2,037.69
Through Tps. 75 and 76 -21 and 22-5.....		1,226.75	1,226.75
Extending Dist. Highway 6 miles Tp. 82-19-5		2,261.92	2,261.92
Extending Dist. Highway 5.5 miles Tps.			
81 and 82 -22-5		999.50	999.50
Extending Dist. Highway 8 mi. Tp. 85-20-5		3,028.31	3,028.31
Extending Dist. Highway 26 and 35-85-22-5			
and 2 and 11-86-22-5		815.80	815.80
Extending Road East 28 and 33-86-22-5			
and East of 4, 9 and 16-86-22-5		1,829.50	1,829.50
Complete Grading Dist. Highway Tp.			
84-25-5		1,800.00	1,800.00
Complete Grading Road N. of 7 to 12.			
Tp. 37-24 and 25-5		2,211.69	2,211.69
Grading N. 9 to 12-90-23-5 and North			
7 and 8 -90-22-5		1,199.75	1,199.75
Extension—Battle River Highway 93-23-5....		3,862.20	3,862.20
Raise fill in 6-87-23-5		800.00	800.00
Wapiti River Hill—South		1,994.40	1,994.40
North East 17-76-5-6—West 5 miles			
North 1 mile East 21-76-6-6		1,997.54	1,997.54
3 miles North of 19, 20 and 21 -76-6-6)			
Easterly from North East 78-2-6		1,842.55	1,842.55
West from North-East 24-78-7-6		1,248.70	1,248.70
West from North-East 21-79-8-6		1,923.37	1,923.37
From North-East 2-79-13-6 Easterly		2,959.10	2,959.10
Henderson Creek, Sec. 23-79-13-6		1,250.00	1,250.00
Extend Fort St. John Northwest to			
Montagneuse River		14,663.82	14,663.82
High Prairie—Sturgeon Lake		33,756.28	33,756.28
General	\$ 29,009.69	18,825.38	47,835.07
Total	\$465,418.22	\$431,277.51	\$896,695.73

STATEMENT OF EXPENDITURE
CONSTRUCTION—SECONDARY HIGHWAYS
APRIL 1st, 1931 TO MARCH 31st, 1932.

Carmangay to High River (Guard Rail)	\$ 524.30
Vulcan to Strathmore (Carseland Bridge South, Surveys	
Compensation, etc.)	608.83
Wetaskiwin to Pigeon Lake (Surveys Compensation)	459.60
Okotoks to Black Diamond (Surveys Compensation)	298.00
Lethbridge to Cardston	73,624.17
Midnapore to Millarville	101,544.02
Lacombe to Gull Lake to Sylvan Lake (Surveys Compensation)	1,364.50
Black Diamond to Hartell	2,292.85
Edmonton Golf and Country Club Road	3,570.61
Edmonton to Beaverhills (Extension Mile 22.06-36.5).....	42,726.13
Roads General	4,175.48
Total	\$231,188.49

STATEMENT OF EXPENDITURE
HIGHWAY CONSTRUCTION CARRIED OUT BY DAY LABOUR
APRIL 1st, 1931 TO MARCH 31st, 1932.

Nanton-Macleod	\$ 10,000.00
Lethbridge-Coutts (Reconditioning 3-mile Section at Warner)	843.47
Calgary-Morley (Asphaltic Surfacing)	20,291.74
Battle River-Galahad (Fills)	713.85
Kinsella-Yarrow (Kinsella Flats)	4,799.97
Wainwright-six miles east	1,585.53
Ponoka-Red Deer (Asphaltic surfacing)	124,714.04
Sylvan Lake-Alhambra	2,000.00
Construction of one 16' span bridge bet. 7 & 8-51-11-4	685.21
Edmonton-Edson (Carrot Creek and Bridge Edson).....	5,293.57
Edson-Jasper (Obed-Sundance and Hinton-Jasper)	5,564.69
Perryvale-Athabasca	6,076.93
Athabasca-Smith	80,195.79
Peace River Hill East (gravel)	3,065.98
Peace River Hill West (gravel and guard rail)	1,965.54
Brainard to B.C. Boundary (Regrade)	2,710.43

Burnt River South (New constructed)	\$ 4,288.79
Surveys Compensation on various roads	2,591.08
Roads General	3,684.77

Total \$281,071.38

STATEMENT OF EXPENDITURE
OPERATION, MAINTENANCE AND RECONSTRUCTION OF FERRIES
APRIL 1st, 1931 TO MARCH 31st, 1932.

Location	Operation	Main- tenance	Recon- struction	Total
N. Saskatchewan River at Desjarlais	\$ 784.55	\$ 272.55	\$	\$ 1,057.10
Athabasca River at Holmes Crossing	1,065.38	160.59	1,036.04	2,262.01
Red Deer River at Dorothy	909.73	166.32	.....	1,076.05
N. Saskatchewan River at Pakan	852.00	347.55	.....	1,199.55
Red Deer River at Garrington	1,091.95	118.69	.....	1,210.64
*N. Saskatchewan River at N. of Lloyd- minster (50 percent of cost of opera- tion and maintenance)	793.22	113.73	.....	906.95
Athabasca River at Athabasca	1,543.14	478.41	.....	2,021.55
Pembina River at Lett's Crossing	809.98	94.64	.....	904.62
N. Saskatchewan River at Shandro	1,598.17	150.80	.....	1,748.97
N. Saskatchewan River at Hopkins	804.25	480.54	.....	1,284.79
Red Deer River at Hutton	935.46	223.17	.....	1,158.63
N. Saskatchewan River at Rocky Mountain House	1,505.00	146.37	.....	1,651.37
Narrows Lac Ste. Anne at Lac Ste. Anne	909.21	65.77	.....	974.98
N. Saskatchewan River at Lee Park	1,634.00	343.27	.....	1,977.27
N. Saskatchewan River at Eldorena	757.77	339.39	.....	1,097.16
Pembina River at Wright's Crossing	784.42	166.43	.....	950.85
N. Saskatchewan River at Lamora's Crossing	784.25	116.32	.....	900.57
Peace River at Dunvegan	1,914.20	1,229.68	1,006.60	4,150.48
S. Saskatchewan River at Bow Island	974.70	203.89	1,112.29	2,290.88
N. Saskatchewan River at N. of Myrnam	872.71	173.64	.....	1,046.35
N. Saskatchewan River at Genesee	722.36	108.29	.....	830.65
Red Deer River at Steveville	947.00	199.74	.....	1,146.74
Smoky River at Goodwin Crossing	868.02	195.57	.....	1,063.59
Bow River at Riverbow	962.85	148.22	.....	1,111.07
Bow River at Bredin	987.50	335.57	1,275.17	2,598.24
Red Deer River at West of Munson	859.25	123.58	.....	982.83
N. Saskatchewan River at Berrymoor	773.48	196.17	.....	969.65
Red Deer River at Finnegan	863.55	217.53	503.64	1,584.72
Pembina River at Mathews Crossing	787.78	120.64	.....	908.42
N. Saskatchewan River at Lindbergh	806.13	101.87	.....	908.00
McLeod River at Allendale Crossing	821.82	71.08	.....	892.90
N. Saskatchewan River at Vinca	799.34	390.36	231.84	1,421.54
McLeod River at McLeod Valley	822.44	276.31	213.41	1,312.16
Red Deer River at N. of Jenner	907.90	238.79	.....	1,146.69
Red Deer River at Gregory Crossing	932.61	114.85	.....	1,047.46
N. Saskatchewan River at Elk Point	1,565.73	304.53	95.90	1,966.16
Red Deer River at West of Morrin	879.25	227.09	.....	1,106.34
Athabasca River at Smith	1,473.50	406.46	.....	1,879.96
Pembina River West of Flatbush	179.04	5.00	.....	184.04
Wapiti River South of Wembley	913.75	127.67	.....	1,041.42
Red Deer River at East Coulee	886.50	420.45	.....	1,306.95
Pembina River at West of Fawcett	810.44	84.50	.....	894.94
Bow River at S. of Crowfoot	947.61	168.13	.....	1,115.74
Pembina River at S. of Fawcett	833.67	78.64	.....	912.31
N. Saskatchewan River at Waskatenau	1,569.50	414.09	.....	1,983.59
Athabasca River N. of Blue Ridge	857.36	300.72	.....	1,158.08
McLeod River at Mahaska	802.90	175.02	.....	977.92
Red Deer River N. of Atlee	995.50	168.37	.....	1,163.87
N. Saskatchewan River at Forbesville	806.44	206.17	.....	1,012.61
S. Saskatchewan River S. of Empress	1,745.19	198.19	.....	1,943.38
McLeod River at Rosevear	775.50	156.35	1,184.78	2,116.63
N. Saskatchewan River at Warspite	803.19	202.99	.....	1,006.18
Peace River at Fort Vermilion	726.25	1,017.62	173.28	1,917.15
N. Saskatchewan River at Heinsburg	1,538.00	250.29	.....	1,788.29
Red Deer River at Rosedale	1,704.98	171.54	.....	1,876.52
Bow River at Bow Slope	938.86	218.45	.....	1,157.31
Ferries General .....	.....	5,138.42	.....	5,138.42
Total	\$55,939.28	\$18,671.01	\$ 6,832.95	\$81,443.24

* Operated by Saskatchewan Government.

STATEMENT OF EXPENDITURE
FERRIES CONSTRUCTION

APRIL 1st, 1931 TO MARCH 31st, 1932

Location	Amount
Athabasca River at Klondyke	\$2,830.03
Pembina River West of Flatbush	2,559.35
Ferries General	266.00
Total	<u>\$5,655.38</u>

MAIN HIGHWAYS

(C. A. DAVIDSON, *Highway Commissioner*)

I beg to submit the annual report of the work of this branch for the fiscal year ending March 31, 1932.

It might be noted that in addition to the regular main highway programme, our work was extended to include an additional two hundred miles of standard grading and 186.6 miles of first course gravelling on secondary highway projects, all of which were under our regular system of contract operations.

Unit prices on contract work show a substantial reduction in the bids for common and classified excavation and there is also a reduction of almost five cents per cubic yard mile in cost of gravel haul by trucks.

Owing to the late award of additional projects approved under the current scheme of unemployment relief, we have carried into the construction season 1932, five grading and four gravelling contracts as described in the following general summary.

MAIN HIGHWAYS

1931-1932

Contracts awarded in the year ending March 31, 1932, on Main Highway Projects are as follows:

STANDARD EARTH GRADE

Location	Miles	% Completed	Contractor
*Calgary-Airdrie	15.13	53	F. Jackson.
Wetaskiwin-Leduc Revisions..	5.35	100	F. Jackson.
*Bow Island-Seven Persons	20.72	100	Commercial Cartage Co.
*Seven Persons-Medicine Hat..	12.66	100	E. O'Connor & Co.
Taber-Grassy Lake	20.08	100	Commercial Cartage Co.
*Grassy Lake-Bow Island	14.99	100	Commercial Cartage Co.
*Calgary-Okotoks	21.25	52	Russel & McLeod.
*Brooks-Kininvie	23.14	100	E. O'Connor & Co.
*Kininvie-Redcliff	38.15	100	E. O'Connor & Co.
*Munson-Delia	21.27	100	Campbell Construction Co.
*Delia-Alsask	106.26	100	Municipal Districts.
*Sylvan Lake-Alhambra	24.28	41	H. G. Macdonald & Co.
Daysland-Sedgewick	24.06	100	Commercial Cartage Co.
*Sedgewick-Hardisty	16.85	77	F. Mannix.
*Stettler-Castor	35.63	100	Commercial Cartage Co.
*Castor-Coronation	21.77	95	Commercial Cartage Co.
Tofield-Holden	22.95	100	Commercial Cartage Co.
*Holden-Viking	22.82	43	Western Constr. & Lbr. Co.
Vermilion-Lloydminster	29.87	100	F. Mannix.
Cardston Extension	0.80	100	Chas. Richardson.
		498.03 miles	

*Denotes Projects constructed under Dominion Unemployment Relief Scheme.

SURFACING

Location	Miles	% Completed	Type	Contractor
Wetaskiwin-Leduc Revision..	5.35	100	1G	H. G. Macdonald & Co.
*Taber-Bow Island	35.07	5	1G	Commercial Cartage Co.
Lethbridge-Monarch	10.02	100	2G	Lethbridge Sand & Gravel Co.
Macleod, South	7.60	100	2G	H. G. Macdonald & Co.
*Crowfoot Creek-Brooks	53.32	100	1G	Commercial Cartage Co.
*Brooks-Redcliff	61.29	3	1G	Commercial Cartage Co.
Lethbridge-Stirling	19.77	100	2G	Lethbridge Sand & Gravel Co.
*Daysland-Sedgewick	24.06	28	1G	H. G. Macdonald & Co.
Tofield-Holden	22.95	0	1G	H. G. Macdonald & Co.
Fort Saskatchewan-Vegreville	64.37	100	2G	H. G. Macdonald & Co.
Vermilion-Lloydminster	42.87	45	1G	Columbia Bitulithic Co.
Stony Plain-Seba Corner	21.59	100	2G	Fitzgerald & Starky.
Seba Corner-Styal	15.95	100	1G	Huff Gravel Co.
Edmonton-Clyde	39.62	100	2G	H. G. Macdonald & Co.
Cardston Extension	0.80	100	1G	H. G. Macdonald & Co.
Miles 1G	2616.66	Miles 2G	162.97	
1G—First Course Gravel. 2G—Second Course Gravel.				
*Denotes Projects constructed under Dominion Unemployment Relief Scheme.				

Contracts awarded in 1930 and completed in 1931:
STANDARD EARTH GRADE

Location	Miles Completed in 1931	Contractor
South Cooking Lake-Tofield	4.47	W. A. Foreman & Co. Ltd.

GRAVEL SURFACING

Location	Miles Completed in 1931	Type	Contractor
*Inverlake-Drumheller	29.69	1G	Commercial Cartage Co.
*South Cooking Lake-Tofield ..	4.96	1G	H. G. Macdonald & Co.
*Lacombe-Gull Lake	0.59	1G	Commercial Cartage Co.
1G—First Course Gravel.			
*Denotes Projects constructed under Dominion Unemployment Relief Scheme.			

Total quantities taken out under Contract in the past year with average cost of same:

GRADING

Unit of Bid	Quantity	Average Cost
Clearing and close cutting	146.30 acres	\$18.30
Stumping and Grubbing	86.12 acres	18.84
Earth excavation	3,710,240 cu. yds.	.129
Loose Rock	285,623 cu. yds.	.239
Solid Rock	54,234 cu. yds.	.526
Overhaul	310,337 Sta. yds.	.021
Rip Rap	2,765 cu. yds.	1.58
Paving	283 cu. yds.	2.02

GRAVEL SURFACING

1st Course Gravel	131,438 cu. yds.	140.34 miles
2nd Course Gravel	69,978 cu. yds.	162.97 miles

AVERAGE COST OF SURFACING

Average cost of 1 in. crushed gravel laid down	\$2.21 per cu. yd.
Crushed gravel loaded to railway cars	.589 per cu. yd.
Crushed gravel loaded to trucks	.531 per cu. yd.
Haul by trucks	.1193 per CYM
Average haul distance 4.80 miles.	
Haul by rail \$1.17 per cu. yd. Average haul by rail 50 miles.	

Agreements with the Board of Railway Commissioners for Canada under the Dominion Grade Crossing Fund:

Location	Railway Crossings Eliminated for Main Highway Traffic	Actual Cost	Estimated Grant from Grade Separation Fund
West of Peace River	2	\$4812.51	\$1925.00

SECONDARY HIGHWAYS (By Construction Branch) 1931-1932

Contracts awarded in the year ending March 31, 1932, on Secondary Highway Projects are as follows:

STANDARD EARTH GRADE

Location	Miles	% Completed	Contractor
*Edmonton-Elk Island Park....	22.06	100	Western Canada Con. Ltd.
Elk Island Park-7 M.S.			
Chipman	14.36	100	Western Canada Con. Ltd.
*Clyde-Westlock	15.52	100	A. Webster and Son.
*Edmonton Beach	2.35	100	Western Canada Con. Ltd.
*Beiseker-Elnora	51.79	94	F. Mannix.
*Elnora-Nevis	34.14	37	Campbell Construction Co.
*Jasper Highway-Onoway-			
Alberta Beach	17.07	74	Western Canada Con. Ltd.
*Westlock-Barrhead	15.07	100	Nigro & Anselmo.
*Wetaskiwin-Pigeon Lake	28.07	80	Western Canada Con. Ltd.

200.43 miles

SURFACING

Location	Miles	% Completed	Type	Contractor
*Edmonton-Elk Island Park	22.06	100	1G	Pool Constr. Co. Ltd.
*Clyde-Westlock	15.52	100	1G	Commercial Cartage Co.
*Edmonton Beach	2.35	100	1G	Fitzgerald & Starky.
*Beiseker-Elnora	51.79	65	1G	Poole Constr. Co. Ltd.
*Jasper Highway-Onoway-				
Alberta Beach	17.07	85	1G	Fitzgerald & Starky.
*Westlock-Barrhead	15.07	100	1G	Commercial Cartage Co.
*Wetaskiwin-Pigeon Lake	28.07	50	1G	Commercial Cartage Co.
Kapasiwin Beach	2.48	100	2G	Fitzgerald & Starky.
Seba Beach	2.13	100	2G	Fitzgerald & Starky.
*Spring Coulee-Lethbridge	34.67	100	1G	H. G. Macdonald & Co.
Miles 1G.....	186.60	Miles 2G		4.61
1G—First Course Gravel.		2G—Second Course Gravel		

*Denotes Projects constructed under Dominion Unemployment Relief Scheme.

Contracts awarded in 1930 and completed in 1931:

STANDARD EARTH GRADE

Location	Miles Completed in 1931	Contractor
Cardston-Lethbridge	28.07	Commercial Cartage Co

Total quantities taken out under contract in the past year with average cost of same:

GRADING

Unit of Bid	Quantity	Average Cost
Clearing and close cutting	462 acres	\$19.70
Stumping and grubbing	156 acres	26.55
Earth Excavation	1,012,758 cu. yds.	.13
Loose Rock	58,051 cu. yds.	.263
Solid Rock	2,193 cu. yds.	.734
Overhaul	63,124 Sta. yds.	.0296
Rip Rap	492 cu. yds.	1.54

GRAVEL SURFACING

1st Course Gravel	141,605 cu. yds.	146.83 miles
2nd Course Gravel	1,835 cu. yds.	4.61 miles

AVERAGE COST OF SURFACING

Average cost of crushed 1 in. gravel laid down	\$2.12 per-cu. yd.
Crushed gravel loaded to railway cars	.61 per cu. yd.
Crushed gravel loaded to trucks	.367 per cu. yd.
Haul by trucks	.116 per CYM
Average haul distance 7.3 miles.	
Haul by rail \$1.17 per cu. yd. Average haul by rail 62 miles.	

Expenditure for the fiscal year ending March 31, 1932, are as follows:

Vote 754	\$1,000,235.80
Vote 1201	415,427.10
Vote 1209	344,498.76
Vote 1211	876,133.72
Total	\$2,636,295.38
Deduct Special Grants and Road Branch	
Salaries	286,181.78 \$2,350,113.60

Administration expenditure included in the above:

OFFICE AND DRAUGHTING ROOM

Salaries	\$ 16,682.42
Travelling expenses	2,509.03
Transportation	183.40
Telegrams	215.38
Long Distance Telephones	735.10
Stationery and supplies (For Office and field)	2,492.65
Incidentals	67.13
	\$ 22,885.11 \$ 22,885.11

FIELD—GENERAL

Engineers' Salaries	\$ 7,042.36
Field equipment	5,223.12
Automobile, Licenses and repairs	1,172.27
	\$ 13,437.75 \$ 13,437.75

TOTAL		\$ 36,322.86
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TOTAL EXPENDITURES

YEAR ENDING MARCH 31, 1932

VOTES: 1211, 1201, 1209 and 754.

Preliminary and Construction Engineering	\$ 174,472.21
Field Equipment and Automobiles (and repairs)	6,395.39
Gravel Research—Land Agreements	21,770.24
Administration	22,885.11
Roads through Towns	14,017.68
Clearing, Grading, Culverts and Bridges	1,218,057.71
Surfacing	741,805.32
Cable Guard	4,546.46
Compensation: Land and Fencing	130,686.07
Moving Poles	13,888.98
Miscellaneous	1,143.77
Advertising	444.66
Special Grants (see Chief District Engineer's report)	281,071.38
Road Branch Salaries	5,110.40

GRAND TOTAL		\$ 2,636,295.38
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DEPARTMENT OF PUBLIC WORKS

IMPROVEMENT OF MAIN HIGHWAYS WITHIN
INCORPORATED AREAS

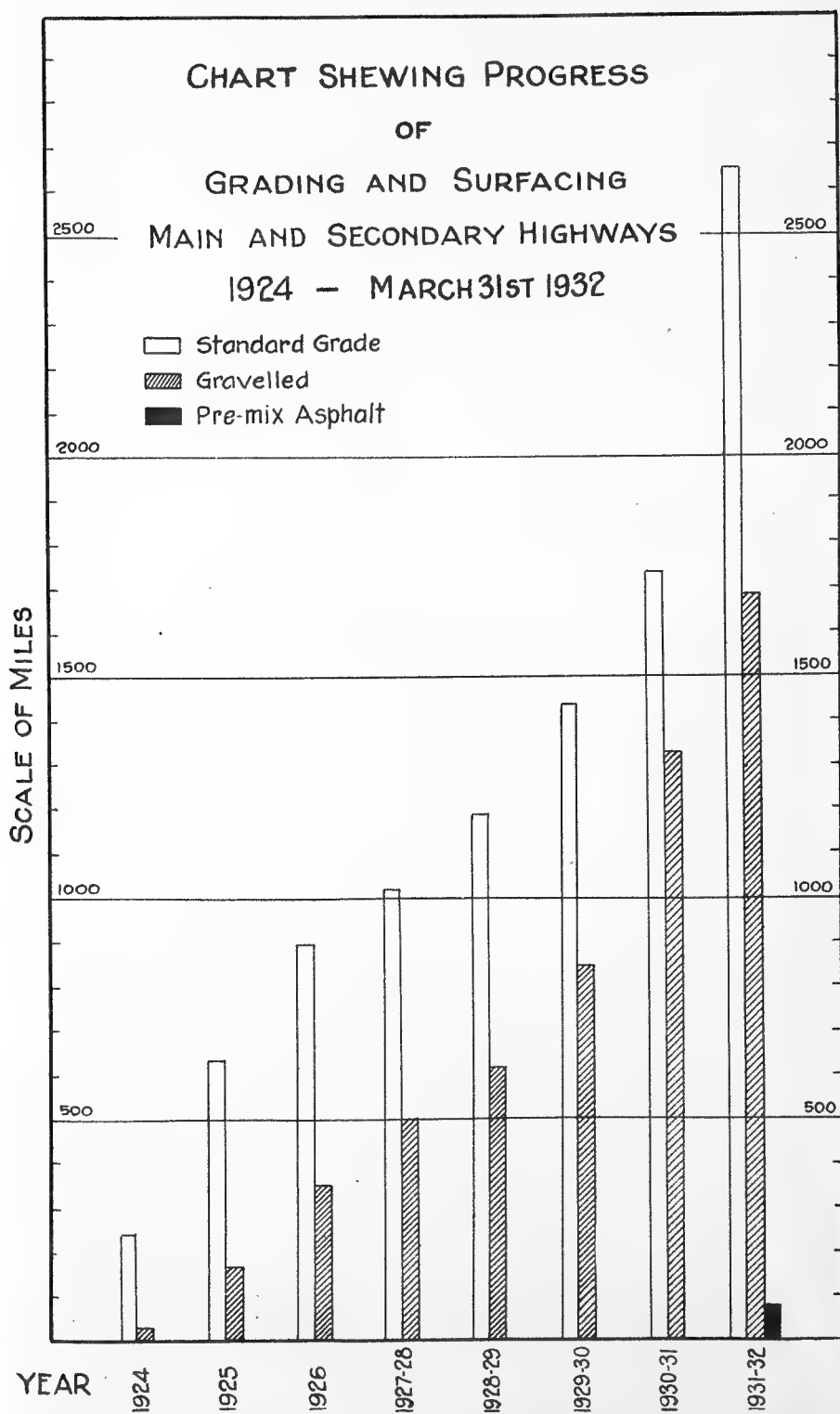
April 1, 1931 to March 31, 1932

40.00E Municipality	Type	Total Cost of work	Contribution by Province	Engineering & Superv'n
59 Bentley	G&S	\$ 2,987.39	\$ 1,493.69	\$377.92
66 Botha	* G	567.79	103.46	6.94
73 Brooks	S	-----	-----	20.00
77 Castor	G	-----	-----	27.32
71 Edmonton	G&S	10,464.72	5,232.36	-----
70 Holden	G	-----	-----	247.70
76 Killam	G	1,230.08	615.04	-----
40 Lacombe	S	-----	-----	5.46
65 Magrath	*G&S	5,654.91	1,546.28	-----
23 Medicine Hat	G&S	8,270.22	4,135.11	-----
25 Morinville	S	447.71	223.85	-----
41 Mundare	S	814.87	407.43	-----
26 Nanton	S	-----	-----	3.90
54 Stettler	* G	949.32	260.46	82.93
33 Vermilion	G	-----	-----	86.00
43 Wetaskiwin	G	-----	-----	71.98
Totals.....		<u>\$31,387.01</u>	<u>\$14,017.68</u>	<u>\$930.15</u>

G—Grading

S—Surfacing

* Part of Provincial Share paid from Relief Votes.



SUMMARY OF HIGHWAY PROJECTS CONSTRUCTED TO MARCH 31, 1932

Highway	Grading Miles	1st Gravel Miles	2nd Gravel Miles	3rd Gravel Miles	Sand Clay Miles	Clay Shale Miles	Mine Earth Miles
M Calgary-Edmonton.....	183.34	183.34	183.34	31.44	6.50	.....	.....
M Walsh-Crowsnest.....	230.87	164.12	36.36	2.24	8.11	11.50	3.90
M Calgary-Glacier Park.....	160.69	160.69	129.87	18.69	2.15	.....	.....
M Calgary-Medicine Hat.....	184.19	124.68	16.70	.....	3.10	.....	.....
M Calgary-Alsask.....	202.92	75.68	.....	.....	.....	.....	.....
M Lethbridge-County.....	71.65	71.65	49.05	.....	.....	.....	.....
M Calgary-Banff.....	49.60	49.60	49.60	39.00	.....	.....	.....
M Viking-Hanna.....	10.36	.....	.....	.....	.....	.....	.....
M Red Deer-Rocky Mountain House.....	34.55	10.04	.....	.....	.....	.....	.....
M Wetaskiwin-Hayter.....	86.68	57.57	.....	.....	.....	.....	.....
M Lacombe-Coronation.....	104.35	48.08	.....	.....	.....	.....	.....
M Edmonton-Wainwright.....	72.89	40.54	19.81	.....	0.60	.....	.....
M Edmonton-Lloydminster.....	173.93	150.36	77.85	.....	5.20	.....	.....
M Edmonton-Styal.....	66.84	66.84	37.97	.....	.....	.....	.....
M Edmonton-Athabasca.....	87.95	39.62	39.62	.....	7.29	.....	.....
M Athabasca-Peace River.....	20.00	.....	.....	.....	.....	.....	.....
M Peace River-Dunvegan.....	37.00	.....	.....	.....	.....	.....	.....
M Dunvegan-Grande Prairie.....	25.00	.....	.....	.....	.....	.....	.....
M Grande Prairie-Pouce Coupe.....	67.00	.....	.....	.....	.....	.....	.....
M Calgary-Bowness Park.....	4.72	4.72	3.12	.....	.....	.....	.....
M Drumheller-Wayne.....	7.70	7.70	4.17	.....	.....	.....	.....
M Cardston-Waterton Lakes.....	25.57	25.57	24.77	.....	.....	.....	.....
M Pincher-Waterton Lakes.....	31.37	31.37	.....	.....	.....	.....	.....
M Lacombe-Gull Lake.....	11.59	11.59	.....	.....	0.50	.....	.....
M Seba Beach.....	2.13	2.13	2.13	.....	.....	.....	.....
S Kipp-High River.....	88.86	88.86	.....	.....	.....	.....	.....
S Kapasiwin Beach.....	2.48	2.48	.....	.....	.....	.....	.....
S Gull Lake-Sylvan Lake.....	12.73	12.73	.....	.....	.....	.....	.....
S Via Carseland-Strathmore.....	43.60	43.60	.....	.....	.....	.....	.....
S Cardston-Lethbridge.....	51.07	51.07	.....	.....	.....	.....	.....
S Clyde-Barrhead.....	30.59	30.59	.....	.....	.....	.....	.....
S Edmonton-Elk Island Park.....	36.42	22.06	.....	.....	.....	.....	.....
S Okotoks-Turner Valley.....	15.00	15.00	.....	.....	.....	.....	.....
S Midnapore-Turner Valley.....	27.00	27.00	.....	.....	.....	.....	.....
S Beiseker-Nevis.....	61.50	33.56	.....	.....	.....	.....	.....
S Alberta Beach.....	12.72	10.72	.....	.....	.....	.....	.....
S Edmonton Beach.....	2.35	2.35	.....	.....	.....	.....	.....
S Wetaskiwin-Pigeon Lake.....	22.50	14.00	.....	.....	.....	.....	.....
S Edson East.....	2.00	.....	.....	.....	.....	.....	.....
M Obed-Park Entrance.....	36.78	.....	.....	.....	.....	.....	.....
S Grimshaw-Notikewin.....	70.00	.....	.....	.....	.....	.....	.....
Total Miles.....	2,648.49	1,679.91	676.34	91.37	33.45	11.50	3.90
M—Main Highway.....							
S—Secondary Highway.....							

THE PROVINCE OF ALBERTA

CONSTRUCTION EXPENDITURES MADE BETWEEN 1st OF APRIL, 1931, AND 31st OF MARCH, 1932, ON MAIN HIGHWAYS

Project No. 3083	Location	Preliminary Engineering	Advertising	Constructing	Clearing and Grubbing	Grading	Corrugated Iron Pipe Culverts	Treated Timber Culverts	Timber Bridges	Guard Rail	Fencing Right-of-way	Compensation Land	Road Surfacing	Moving Poles	Miscellaneous	Total
1-A-1	Calgary—Aldrie	\$ 383.34		\$ 615.55												998.89
1-A-2	Aldrie—Carstairs		7.33	1,546.32	353.90	10,409.95	778.20	1,564.60	2.20		663.66	163.45	10,107.47	210.42		163.45
1-E-2	Wetaskiwin—Millet	980.78	7.32													28,499.69
1-F-1	Edmonton—Leduc	94.01	7.32													165.83
1-F-2	Leduc—Millet	220.91	7.32	1,050.92	76.50	2,569.39	260.42	546.17			269.20	1,121.38	5,381.31	210.42		11,713.94
2-A-1	Irvine—Walsh			14.30								52.25				66.55
2-A-2	Irvine—Medicine Hat			6.00							332.09	272.35	156.00		37.00	916.44
2-B-1	Bow Island—Seven Persons	66.43		246.92												313.35
2-B-2	Medicine Hat—Seven Persons	57.56	202.10													259.36
2-C-1	Chin—Taber											116.74				116.74
2-C-2	Chin—Grassy Lake															482.40
2-C-3	Taber—Grassy Lake	2,130.28	21.97	3,671.18		21,953.47	2,586.82	5,196.87			2,115.29	8,436.98		132.17	108.12	46,333.15
2-D-3	Grassy Lake—Bow Island	71.32		414.14												320.15
2-D-1	Lethbridge—Mile 158.61												7,845.55			8,217.65
2-D-3	Mile 158.61—Monarch			372.10								4,300.00				4,300.00
2-E-3	Mile 246.6—Mile 253.8											106.20				106.20
2-E-4	Frank—Lundbreck											50.00	175.00			225.00
2-E-5	Fincher—Lundbreck											140.00				140.00
2-E-9	Chokio—Fincher												462.80			462.80
3-A-1	Calgary—Okotoks											568.80				568.80
3-A-2	Okotoks—High River											289.50				289.50
3-A-3	High River—Nanton										15.00	187.00				202.00
3-A-4	Nanton—Stavelly											30.00				30.00
3-B-1	Macleod—Granum		161.34										4,113.10			4,274.44
3-C-2	Macleod—Waterton River										11.00	28.40				39.40
4-A-1	Calgary—Inverlake										26.00	130.40				156.40
4-A-3	13 M. E. Strathmore—Gleichen	442.63		1,789.61		2,303.67	36.86	414.48	5,613.60		281.65	139.00	15,780.64			10,832.50
4-B-1	Brooks—Kininvie		10.99	828.59								367.45	2,648.41			16,759.22
4-B-2	Gleichen—Bassano		10.99													3,026.85
4-B-3	Bassano—Brooks															58,073.18
4-C-2	Redcliff—Kininvie			4,328.34		44,816.82	389.83	7,836.99			406.84			294.36		58,073.18
5-A-1	Inverlake—Irricana											550.24				550.24
5-A-2	Irricana—10 M. N. Rockyford			140.55								2,211.30				2,211.30
5-A-3	10 M. N. Rockyford—Drumheller			221.70								1,172.00				2,211.30
5-B-1	Hanna—Della					2,561.26	485.30	176.80	216.40							3,661.46
5-B-2	Drumheller—Munson										219.00	10.00				239.00
5-B-3	Munson—Della	20.00		653.28												239.27
5-B-4	Hanna—Youngstown	106.67		93.00		1,428.14	88.60	129.35								236.62
6-A-1	Youngstown—1 Mile E. Chinook	93.00		162.28												186.00
6-C-1	11 M. N. Warner—Stirling			264.97									6,424.39			6,537.17
6-A-3	Stirling—Lethbridge												11,076.34			11,381.31
7-A	Calgary—Cochrane												857.00			857.00
7-B	Cochrane—Mile 33.8												576.00			576.00
7-C-1	Mile 33.8—Mile 44.6												576.00			576.00
7-C-2	Mile 44.6—Kananaskis												576.00			576.00
10-A	Wetaskiwin—Camrose											25.75				25.75
10-B	Camrose—Daysland											4,139.25				4,139.25

STATEMENT OF EXPENDITURES ON UNEMPLOYMENT RELIEF ON MAIN HIGHWAY CONSTRUCTION

1931-1932 PROGRAMME—VOTE 1211 B. APRIL 1, 1931 — MARCH 31, 1932

Project No.	Location	Schedule or Agreement	Preliminary Engineering	Construction Engineering	Clearing and Grubbing	Grading	Corrugated Iron Pipe Culverts	Treated Timber Culverts	Timber Bridges	Fencing Right-of-way	Compensation Land	Road Surfacing	Moving Poles	Miscellaneous	Total
1-A-1	Calgary—Airdrie	15	\$ 756.19	\$ 2,051.81	\$	\$ 22,375.86	\$ 3,525.80	\$	\$27,442.04	\$ 2,119.00	\$ 1,576.75	\$	\$ 593.22	\$	\$ 60,440.17
2-B-1	Bow Island—Seven Persons	13	882.65	2,345.13		29,448.81	1,142.98	6,454.21	1,745.28	1,973.00	1,192.00		142.46		45,325.75
2-B-2	Medicine Hat—Seven Persons	13	564.89	1,604.27		15,734.85	304.04	2,337.00	3,718.44	675.67	2,205.01		119.59		27,273.76
2-C-3	Taber—Grassy Lake	21		308.00								1,112.40			1,420.40
2-C-4	Grassy Lake—Bow Island	9	797.54	688.02			374.79	4,430.37		3,157.23	4,564.20	35.00			31,210.84
2-C-4	Grassy Lake—Bow Island	21													35.00
3-A-1	Calgary—Okotoks	34		2,853.69	243.98	29,058.48	790.70	3,821.68	7,898.19	2,900.18	3,398.32		6,466.96		48,737.69
4-B-1	Brooks—Kininvie	14		3,609.89	146.29	18,032.50	2,007.03	4,277.73	1,921.77	1,393.55	75.00	1,005.30	32.48		40,191.33
4-B-1	Brooks—Kininvie	35		278.44								2,491.15			1,283.74
4-B-2	Gleichen—Bassano	37		20.89								58,337.03			2,512.04
4-B-3	Bassano—Brooks	37		1,835.32											60,172.35
4-C-2	Redcliffe—Kininvie	36		1,182.35		16,751.77	10.89	290.37		86.61	607.05			448.56	19,377.40
5-B-1	Hanna—Delia	22									111.25	336.67			447.92
5-B-3	Munson—Delia	22										388.67			388.67
5-B-4	Hanna—Youngstown	8		3,038.69		55,302.24	4,683.14	10,206.39	10,348.82	300.43	270.12		382.96		84,533.79
5-C-1	Youngstown—M. E. Chinook	8	25.67	1,491.63		16,942.57	3,706.80	8,449.89		963.18	1,263.60		158.32		28,002.16
5-C-2	M. E. Chinook—M. E. Excel	12	874.97	2,301.84		34,235.28	16,643.66			2,352.61	1,054.40				57,667.54
5-C-3	M. E. Excel—Alaska	12	553.98	2,373.90		41,455.22	17,941.11		932.83	2,242.22	1,335.50		330.38	104.78	67,165.14
9-A-3	Sylvan Lake—Alhambra	28	1,351.52	1,611.83	193.50	12,984.90	2,251.55	5,452.05	4,419.92				1,170.29		29,435.56
10-C-1	Daysland—Sedgewick	24		284.41							3,237.68	18,448.16			21,970.25
10-C-2	Sedgewick—Hardisty	10	1,362.67	3,247.58	1,023.64	26,835.91	1,314.18	7,455.57	3,035.43	2,795.57	2,492.37		137.07		49,699.99
11-B-2	Stettler—Castor	23		98.35								658.09			756.44
11-B-2	Castor—Coronation	11	1,429.33	3,822.66	137.75	29,728.88	2,333.53	11,511.33	3,389.59	3,132.21	5,923.04		54.12	193.32	61,655.76
12-C-1	Holden—Viking	16	1,459.12	1,701.77	576.08	14,379.86	2,875.50	4,195.92	2,402.02	1,053.52	4,168.10		632.52		30,856.41
14-D-1	Edson—10 Miles East	17		1,224.04		7,385.23	396.00				15.00				11,213.20
4730	Coal Branch Connections	20	9,340.94	1,589.91	23,093.27	22,173.60		1,588.74						6,043.05	52,189.41
48166	Nordberg—Rocky Mountain House	18		4,150.71	14,805.14	26,767.56		183.67	30.25	53.28				3,719.60	42,271.01
Gross Cost			\$19,889.47	\$43,715.13	\$40,165.65	\$436,791.44	\$57,713.00	\$67,867.85	\$67,284.58	\$25,198.26	\$33,439.99	\$82,812.47	\$10,221.87	\$ 9,015.99	\$876,183.72
Less, Paid by Dominion															\$345,083.93
Total															\$531,049.79

BRIDGES CONSTRUCTION AND MAINTENANCE

APRIL 1st, 1931 TO MARCH 31st, 1932

(N. W. MACPHERSON, *Bridge Engineer*)

During the season fifteen crews were employed on bridge-work, three on steel work and twelve on timber bridges.

Treated material was used on all bridges except in out-lying districts where local material was available.

The following is a list of steel bridges constructed during the year:

1--60ft. span	.....	Redwater River	.....	14/15-57-21-4.
1--70ft. span	.....	Lobstick River	.....	29-54-12-5.
1--60ft. span	.....	Mosquito Creek	.....	S. 16-17-29-4.
1--50ft. span	.....	Arrowwood Creek	.....	11/12-20-25-4.
1--50ft. span	.....	Sundance Creek	.....	8/17-53-18-5.
1--60ft. span	.....	Paddle River	.....	21/28-58-5-5.
1--60ft. span	.....	Paddle River	.....	W. 31-57-8-5.
1--40ft. span	.....	Blood Indian Creek	.....	8/17-24-9-4.
1--60ft. span	.....	Lasthill Creek	.....	13/14-39-5-5.
1--40ft. span	.....	Serviceberry Creek	.....	19/20-25-24-4.
1--50ft. span	.....	Rosebud Creek	.....	19/20-31-1-5.
1 40ft. span	.....	Berry Creek	.....	35/36-22-12-4.
1 50ft. span	.....	Rosebud River	.....	22/23-30-29-4.
1 180ft. span	.....	Wolf Creek	.....	N. 22-53-16-5.
1--50ft. span	.....	W. Arrowwood Creek	.....	19/30-20-24-4.
1 40ft. span	.....	Pipestone Creek	.....	N. 21-47-24-4.
1 60ft. span	.....	Rosebud River	.....	4/5-28-26-4.
1 300ft. span	.....	Little Smoky River	.....	1-74-20-5.
1--125ft. span	.....	Kneehill Creek	.....	15-29-23-4.
1 100ft. span	.....	Rosebud River	.....	7-28-19-4.
1 100ft. span	.....	Rosebud River	.....	7-28-19-4.
1--125ft. span	.....	Rosebud River	.....	S.E. 29-28-19-4.
1--50ft. span	.....	Sturgeon Creek	.....	N.E. 34-70-22-5.
1--60ft. span	.....	Rosebud River	.....	20/21-27-23-4.
1--45ft. span	.....	Nose Creek	.....	E. 12-26-1-5.
1--45ft. span	.....	Nose Creek	.....	E. 25-26-1-5.
1--45ft. span	.....	Nose Creek	.....	E. 25-26-1-5.
1 45ft. span	.....	Nose Creek	.....	E. 25-26-1-5.
1 45ft. span	.....	Nose Creek	.....	E. 36-26-1-5.
1 45ft. span	.....	Nose Creek	.....	E. 36-26-1-5.
1 80ft. span	.....	Kneehill Creek	.....	21/28-29-24-4.
1 80ft. span	.....	Fallen Timber Creek	.....	S. 4-31-5-5.
1 80ft. span	.....	Coulee	.....	11-38-28-4.
1--60ft. span	.....	Battle River	.....	35/36-43-27-4.
1 80ft. span	.....	Little Bow River	.....	In 29-14-22-4.
1--30ft. span	.....	Willow Creek	.....	12/13-44-13-4.
1--60ft. span	.....	Mosquito Creek	.....	24-15-27-4.
1 35ft. span	.....	Ross Creek	.....	11/14-53-19-4.
1--125ft. span	.....	Battle River	.....	3/10-39-12-4.

During the season the following bridges were dealt with

Construction	.....	533
Maintenance	.....	142
		675

SURVEYS BRANCH

REPORT FOR THE FISCAL YEAR ENDING MARCH 31, 1932

(P. N. JOHNSON, *Director of Surveys*)

The operations of this branch have continued along similar lines to those of previous years.

Owing to the relief programme which was carried out in the fall of 1931 the survey of the various Main Highways has received the first attention of our Surveyors and has probably been the biggest programme of main highway surveys that has been carried out, the work on these surveys being brought to completion as rapidly as possible in order to enable the matter of compensation for right-of-way to be dealt with.

It is interesting to note in this connection that whereas in the preceding twelve months 867 vouchers for compensation were prepared and put through for payment, the number this year has increased by 50 per cent. there being 1325 put through during the period covered by this report.

Other local surveys have thus received secondary consideration as is evidenced by the fact that the number of surveys carried forward to the succeeding year has increased from 586 to 670.

The difference in the number of plans prepared and filed is also accounted for by the same circumstances as the plans of highways comprise as much as would be covered by a large number of small road diversion plans.

In addition to right-of-way surveys, one surveyor was employed largely on the survey of areas cleared under relief work.

A considerable falling off in the number of plans submitted by Municipal Districts is noticeable this year due largely no doubt to present economic conditions and it can be anticipated that this work will again increase as conditions gradually return to normal.

Below are tabulated the various items covered by the work of this branch:

Surveys required and brought forward from 1930	586
Surveys asked for during 1931	312
Surveys made during 1931	211
Surveys carried over to 1932	670
Plans submitted and examined on behalf of M.D.'s	302
Titles issued to roadways surveyed by M.D.'s	385
Plans prepared and filed in Land Titles Office	285
Certificates of Title received for roadways	372
Certificates of Title received for lands given for public purposes under Departmental regulations as to subdivisions	16
Certificates of Title to public buildings	12
Transfers issued covering lands no longer required	397
Number of plans of subdivisions approved during 1931	35
Plans submitted by Department of the Interior (Irrigation Branch)	10
Plans of Power and Transmission Lines	17
Vouchers issued for compensation	1325
Leases of road allowances in force	303
Leases of road allowances applied for	91
Caveats issued	297

BUILDINGS MAINTENANCE BRANCH
REPORT FOR THE FISCAL YEAR ENDING MARCH 31, 1932
(D. E. McDONALD, *Superintendent of Buildings*)

Building Construction and Maintenance.

During the season plans were prepared by our Architectural staff for a great number of projects throughout the province in connection with the institutions and public buildings.

The following is a list of the various projects:

Provincial Mental Hospital, Ponoka.

Sewage disposal plant.
Addition to garage.
Coal storage bunkers and coal handling plant.
Pump house, Battle River.
House for septic tank operator.
Survey made of mental hospital and farm covering all buildings and property owned by the Government.

Provincial Mental Institute, Oliver.

Reinforced concrete corridor 300 feet in length connecting dining room and main building.
Reinforced concrete root house.
Survey made of mental institute and farm covering all buildings and property owned by the Government.
Houses for staff.

Provincial Gaol, Fort Saskatchewan.

Thirty-stall horse barn.
Implement shed, granary and cow barn.
Addition to boiler room.
Survey made of gaol covering all buildings and property.

Edmonton.

Addition to Highways' Building.
Alterations to elevator shafts, designs for doors etc., Parliament Buildings.
Alterations to offices, Parliament Buildings.
Alterations to offices, Administration Building.
Alteration to Terrace Building for R.C.M.P.
Alterations to Land Titles Building.

Calgary.

Addition to Highways' Building.
Alteration to Court House.
Proposed addition to Land Titles Building for the Department of Natural Resources.

Miscellaneous.

Concrete root house, Provincial Gaol, Lethbridge.
Proposed Agricultural School, Lethbridge.
Alterations to Court House, Red Deer.

Alterations to boiler room, Prov. Training School, Red Deer.
 Alterations to Court House, Camrose.
 Horse barn, Agricultural School, Olds.
 Horse barn, Agricultural School, Vermilion.
 Storage building, Fisheries Branch at Great Slave Lake.
 Incinerator for institutions.
 Public comfort stations, Sylvan Lake.

Maintenance of Buildings.

This work was carried out under the supervision of our maintenance foremen throughout the province on the various court houses, police buildings, normal schools, etc. and all of our buildings have been brought up to a very fair standard.

Carpenters' Shop.

This branch has been kept extremely busy supplying furnishings and equipment for the various institutions and buildings throughout the province, employing a staff of 18 men during the season.

Grounds.

The work in this connection was handled by our chief gardener, Mr. E. J. Stowe and a staff of 12 men. The grounds surrounding the various buildings in Edmonton are now reaching the stage where work done in previous years is beginning to show for itself. The trees and shrubs give a very beautiful setting and have been highly commented on by the visitors from the various parts of the Dominion and the United States. All the plants are raised in our greenhouses and nearly all the shrubs are grown in our nurseries at the parliament building grounds. Mr. Stowe has also arranged for the starting of a nursery for small shrubs at the gaol grounds, Fort Saskatchewan. This work is being carried out under the supervision of the groundsman at the gaol with the assistance of prison labor.

CAPITAL EXPENDITURE

Furnishings and Additions, Legislative Buildings	\$ 53,873.22
Furnishings and Additions, Public Institutions	39,879.36
Agricultural Schools	9,570.77
Institute of Technology, Calgary	5,450.10
Administration and Parliament Buildings	270,540.74
Normal School, Edmonton	4,948.88
Provincial Mental Institute, Oliver	50,687.40
Provincial Mental Hospital, Ponoka	41,087.07
Provincial Gaol, Fort Saskatchewan	13,363.68
Central Alberta Sanatorium, Keith	1,080.99
Provincial Gaol, Lethbridge	881.95
Court House, Red Deer	8,729.06
Court House, Vegreville	5,847.24
Provincial Training School, Red Deer	3,322.94
Court House, Camrose	11,980.81
Old Court House, Red Deer	10,968.72
Storage and Repair Shop, Edmonton	16,359.89
Storage and Repair Shop, Calgary	18,104.86
Storage Buildings, Red Deer and Medicine Hat	3,103.17
Storage and Repair Shop, Macleod	733.58
Relief Storage Sheds, Edmonton and Calgary	1,137.42
Power House, Oliver	6,337.02
Power House, Ponoka	32,787.13

Power House, Fort Saskatchewan	\$ 11,874.75
Power House, Institute of Technology, Calgary	563.11
Power House, Keith	2,453.54
Power House, Parliament Buildings	14,109.92
Power House, Lethbridge,	1,926.52
Power House, Red Deer	2,209.97

MAINTENANCE EXPENDITURE

Department and Legislative Buildings	421,628.56
Public Institutions	87,695.06
Government House	28,473.52
Power Plants	242,899.48

POWER PLANTS

Annual Report for Year Ending March 31, 1932

(JOHN DOUGLAS, *Mechanical Superintendent*)

No complaints have been received by me from the superintendent of any of the institutions regarding services supplied.

The increase in coal costs over previous year is due to increase in demands both for heat and electrical energy together with the fact that over the 10-month heating period, total degree days amounted to 9007 compared with 7990 during the preceding season, showing a more severe winter.

Serious trouble developed in the boilers at the Ponoka Mental Hospital, No. 1 particularly showing microscopic hair cracks in the stressed sections. Repairs ordered by the Inspector were immediately carried out, enabling the boiler to carry its share of the load during the winter. This boiler was pronounced unfit for use late this spring.

The supply of gas to the Institute of Technology and the Keith Sanatorium failed owing to an explosion in the scrubbing plant at Turner Valley. I am pleased to state that no interruption in services to either institutions resulted, both plants swinging in quickly their standby equipment.

An outline of the work at the various institutions follows:

Fort Saskatchewan Gaol.

Both heating and electrical energy demands at this plant increased due to the new cell block and the large increase in water pumped. Electrical energy consumed amounted to 278,210 K.W. Hrs. being 32,230 above previous year. Capital expenditure approximating \$11,880.00 was made by an addition to power house, installation of water tube boiler, 1200-gallon hot water storage, ash handling equipment and addition to switch board. Installation at this plant is difficult owing to contracted head room. All the above was accomplished with no interruption of services.

Oliver Mental Institute.

Capital expenditure approximating \$6,337.00 was made installing 800-gallon condensate tank and electric pump, 1200-gallon softened hot water storage tank, 3000-gallon domestic hot water storage tank, water softener for laundry, 1200 feet of 2300 volt armoured cable, transformer house and bank of transformers and the rewinding of the 220 volt 125 K.V.A. generator, converting same to generate at 2300 volts, enabling the whole system to be standardized at 2300 volts, together with even balancing of the phases. The switchboard is now arranged to accommodate expansion, an impossibility as previously installed.

A pipe screwing machine was installed in the machine shop.

Total operating costs show an increase of \$226.88.

Parliament Buildings.

Capital expenditure amounted to approximately \$14,109.00 in equipping spare boiler with stokers, soot blowers and

forced draft and the three boilers with overhead steel bunkers of 120 tons capacity together with track pit and coal elevator.

The work done at this plant by the staff over and above the general routine has been very gratifying.

Ponoka Mental Hospital.

Sewage treated by the activated sludge system amounted to approximately 525,500,000 gallons. The Health Department advise that the treated effluent discharged to the Battle River is second to none on this continent.

Capital expenditure approximating \$32,787.00 was made covering installation of concrete coal bunkers and housing of railroad trestle, steel overhead 100-ton capacity coal bunkers, coal elevator, pump house at Battle River, pipe line and pole line, sewage disposal equipment, hot water storage tank, feed water regulators and radiation in employees' garage.

Provincial Training School, Red Deer.

This plant gave satisfactory service.

Capital expenditure approximating \$2,210.00 was made installing water softener for laundry, hot water domestic heater and storage tank and two banks of transformers.

Institute of Technology and Art, Calgary.

Heat was required as in past years, during each of the months of the Public School year. The colder weather of the past winter accounts for a slight increase in total fuel cost as compared to last year, although this was more than offset by the lessened amount of purchased current and to increased generation by our own plant.

Capital expenditure approximating \$563.00 was made. An air humidifier with 150 square feet of moisture releasing surface, a feed water filter, oil filter and Hays gas analyser were installed.

Although not classed as an Instructor, the greater part of the supervision and instruction of steam students when in the plant is given by the Chief Engineer, taking up a considerable amount of his time.

The operating cost last year of this plant is the lowest on record although the demands were heavier.

Central Alberta Sanatorium, Keith.

The demands on this plant approximates the preceding year, excepting water pumped, where a large increase is shown. Operating costs show a further decrease and this plant records the lowest expenses since installed.

Capital expenditure approximating \$2,453.00 was made for air blower for sewage disposal, steam heater, feed water regulators, flue gas temperature recorder, garbage incinerator and compressed air equipment.

Lethbridge Gaol.

Capital expenditure approximating \$1,926.00 was made in installing Horizontal Steam Vacuum pump, concrete pump pit, vertical electrical sewage pump, domestic hot water heater and the conversion of 1,750-gallon obsolete filter into hot water storage reservoir.

LICENSES ISSUED UNDER THE PUBLIC VEHICLES ACT

(W. T. AIKEN, *Chief Clerk*)

Name of Operator	Address and Route
Blue Bus Lines, Limited	Calgary, Calgary—Turney Valley
Brewster Transport Company	Banff Calgary—Banff
Central Canadian Greyhound Lines Ltd.	Calgary Calgary—Edmonton
Central Canadian Greyhound Lines Ltd.	Calgary Calgary—Lethbridge
Central Canadian Greyhound Lines Ltd.	Calgary Calgary—Lethbridge via Vulcan
Central Canadian Greyhound Lines Ltd.	Calgary Macleod—Crow's Nest
Central Canadian Greyhound Lines Ltd.	Calgary Macleod—Waterton Lakes
Central Canadian Greyhound Lines Ltd.	Calgary Macleod—Cardston
Central Canadian Greyhound Lines Ltd.	Calgary Lethbridge—Cardston
H. J. Cox	Redcliff Medicine Hat—Redcliff
Drumheller Bus & Taxi Co.	Drumheller Nacmire—Wayne
R. J. Duncan	Calgary Calgary—Gleichen
O. W. Elliott	Busby Edmonton—Mayerthorpe
Erickson & Brown	Westlock Edmonton—Smoky Lake
Erickson & Brown	Westlock Edmonton—Viking
Fisher, W. T.	Lethbridge Lethbridge—Medicine Hat
Frizzell, L.	Edmonton Edmonton—Vegreville
Frizzell, L.	Edmonton Edmonton—Evansburg
Glacier Park Transport Co.	Glacier Park, Montana Carway—Waterton Lake
Horner, J. V.	Edmonton Edmonton—Barrhead
Jette, H. F.	Pincher Creek Pincher Creek—Pincher Creek Station
Johnson, Dewitt T.	Lethbridge Lethbridge—Coutts
Klemke, M. E.	Wetaskiwin Wetaskiwin—Hardisty
Latimer, R.	Edmonton Edmonton—Thorhild
Melton, W. R.	Rocky Mountain House Red Deer—Rocky Mountain House
Poxon, W. & Son	Carbon Calgary—Drumheller
Poxon, W. & Son	Carbon Carbon—Beiseker
Slack, R.	Maple Creek, Sask. Medicine Hat—Walsh
Smith C. J.	Fallis Edmonton—Evansburg
Van Wert, T.	Redcliff Medicine Hat—Redcliff
Watkins, G. C.	Spirit River Peace River—Hythe
Wilcox, M. C.	Thorhild Edmonton—Thorhild

LICENSES CANCELLED

Fisher, W. T.	Failure to renew insurance policy
	Failure to pay road tax
Klemke, M. E.	Failure to renew insurance policy
	Failure to pay road tax
Slack, R.	Operation discontinued after one month
Smith, C. J.	Equipment not satisfactory
	Failure to pay insurance premiums
	Failure to pay road tax
Wilcox, M. C.	Failure to pay insurance premiums
	Failure to pay road tax

PROVINCIAL GAOL—FORT SASKATCHEWAN

(J. D. McLEAN, *Warden*)

The daily average population of this Institution for the fiscal year ending March 31, 1932, was 316.5 being an increase of 12.3 over the previous year.

Building operations included the completion of the new wing of reinforced concrete, a reinforced concrete extension to the engine room, two new root houses of reinforced concrete, a large frame barn on concrete foundation and one thousand lineal feet of concrete sidewalk, two feet wide.

The following statement shows exceptionally good results from farm operations:—

	No. of Acres	No. of Bushels
Wheat	284	14,746
Oats	238	24,232
Barley	100	3,514
Potatoes	43	7,900
Carrots	8½	2,200
Miscellaneous Vegetables	15¾	4,525

It will be noted that the average yield per acre for wheat was 51.5 bushels and for oats 101.5 bushels.

The revenue for the year shows a slight increase over that of last.

FINANCIAL STATEMENT

SUMMARY

Administration	\$ 66,869.45	
Maintenance and Operation	27,060.25	
Gross	93,929.70	
Less Revenue	10,574.97	
	\$ 83,354.73	
Average daily population	316.5	
Per capita cost per prisoner per day		81.3 Gross
Per capita cost per prisoner per year		296.77 Gross
Net cost per capita cost per day		72.1 Net

NUMBER OF MALE PRISONERS ADMITTED AND DISCHARGED DURING 1931-1932

Month	Admitted		Discharged	
	Comm.	Sent.	Comm.	Sent.
April, 1931	21	106	26	110
May	27	91	30	121
June	24	118	25	107
July	58	124	41	94
August	10	100	24	141
September	17	80	16	90
October	25	95	26	92
November	27	121	28	86
December	14	103	10	107
January, 1932	21	80	24	86
February	19	89	22	68
March	17	81	18	100
Total number of Male Prisoners Admitted	280	1,188	290	1,202
Total number of Male Prisoners Discharged				1,468
				1,492
			Comm.	Sent.
Male Prisoners in Gaol March 31, 1931			16	237
Male Prisoners admitted during year ending March 31, 1932			280	1,188
			296	1,425
Male prisoners discharged during year ending March 31, 1932			290	1,202
Male prisoners in Gaol March 31, 1932			6	223
Total number of Male prisoners in Gaol March 31, 1932				229
Number of days remission earned				8,402
Number of prisoners participating				882
Number of days remission per prisoner				9.5

DEPARTMENT OF PUBLIC WORKS

DISCHARGES DURING THE YEAR ENDING MARCH 31, 1932

Time expired	1,009
Released for trial	265
Released on parole	33
Deported	42
Released on Bail	20
Released fine paid	19
Transferred to Prince Albert Penitentiary	9
Transferred to Alberta Provincial Police	25
Released by Immigration Department	11
Transferred to Hospital	4
Released as witness	10
Released by Attorney General's Department	30
Transferred to Ponoka Mental Hospital	6
Conviction quashed	1
Released on suspended sentence	3
Executed	1
Death	1
Transferred to Oliver Mental Institute	1
Released for trial on further charge	1
Escaped from custody	1
	1,492

NATIONALITIES

BRITISH:			
Canada	493	Germany	23
England	72	Holland	2
India	4	Hungary	1
Ireland	28	Italy	4
Newfoundland	1	Jugo Slavia	9
Scotland	51	Lithuania	2
Wales	14	Norway	30
		Poland	97
		Roumania	19
		Russia	26
		South America	2
		Sweden	15
		Switzerland	4
		Ukrania	31
		United States of America	104
FOREIGN:			
Africa	1	British	663
Austria	121	Foreign	525
Belgium	3		
Bukowinia	1		1,188
China	2		
Czecho Slovakia	9		
Denmark	7		
Finland	7		
France	5		

AGES

Under twenty years	121	Sixty to seventy years	47
Twenty to thirty years	453	Over seventy years	12
Thirty to forty years	284		
Forty to fifty years	181		1,188
Fifty to sixty years	90		

SENTENCES

Under thirty days	154	One year to eighteen months	45
Thirty days to two months	437	Eighteen months to two years less	
Two months to three months	154	one day	7
Three months to four months	200	Suspended sentence	3
Four months to six months	37	To be hanged	1
Six months to nine months	127		
Nine months to one year	23		1,188

CRIMES

AGAINST RELIGION AND MORALS

Bigamy	1	Disorderly house, permitting pre-	
Buggery	1	mises to be used for	2
Carnal knowledge	5	Indecent Act	5
Children's Protection Act	3	Juvenile Delinquent Act	11
Disorderly conduct	1	Seduction	2
Disorderly house, keeper of	1	Vagrancy	197
Disorderly house, inmate of	2		
			231

AGAINST THE PERSON

Assault	67	False charges, making	1
Assault, causing grievous bodily		Gross indecency	1
harm	18	Manslaughter	1
Assault, indecent	10	Murder	1
Assaulting a Peace Officer	3	Non-support	3
Bribery	1	Suicide, attempt to commit	2
Failure to provide for wife and		Threatening with intent to extort	
children	12	money	1
Firearms, pointing at person	3		
			124

AGAINST PUBLIC LAW AND ORDER

Carrying concealed weapons	1	Obstructing a Peace Officer	4
Causing disturbance	2	Unlawful assembly	7
Causing mischief	1	Unlawfully posting signs on phone	
Conspiracy	5	poles	3
Disorderly conduct	1	Violence	1
Falsely representing Peace Officer ..	5		
Firearms, illegal possession of	4		34

AGAINST PROPERTY

Allowing fire to pass from land	1	Fraudently dealing with a stray	1
Arson	5	Ill treatment of animals	2
Attempt to injure	1	Opening postal letters	1
Breaking and entering, attempted ..	2	Stolen goods, receiving	1
Breaking, entering and theft	25	Stolen goods, possession of	9
Conspiracy	1	Theft	211
Conversion	5	Unlawfully selling a horse	2
Damage to property	4	Unlawfully burning brush	1
Disposing of grain under seizure	1	Unlawfully receiving money	1
Extortion	1	Unlawfully destroying	1
Failure to observe conditions of		Uttering	5
security	1	Wilful damage	1
False pretenses	39		
Fraudulently obtaining food and			330
lodging	8		

AGAINST ANY OTHER ACT

Domestic Animals Act	2	Humane Act	2
Drug Act	1	Indian Act	1
Excise Act	29	Liquor Act	307
Failure to pay costs	1	Railroad Act	105
Game Act	12	Venereal Diseases Act	1
Highway and Vehicles Act	8		
			469

FEMALE PRISONERS

NUMBER OF FEMALE PRISONERS ADMITTED AND DISCHARGED
DURING THE YEAR 1931-1932:

Month	Admitted		Discharged	
	Comm.	Sent.	Comm.	Sent.
April 1931	0	7	0	14
May	1	14	1	9
June	4	16	2	11
July	1	14	2	8
August	0	5	1	14
September	2	6	2	8
October	3	8	2	8
November	2	10	3	13
December	1	8	0	10
January 1932	0	10	1	8
February	2	11	2	7
March	1	13	1	10
	17	122	17	120

Total number of Female Prisoners Admitted	139
Total number of Female Prisoners Discharged	137

	Comm.	Sent.
Female prisoners in gaol March 31, 1931	0	22
Female prisoners admitted during year ending March 31, 1932	17	122
	17	144
Female prisoners discharged during year ending March 31, 1932	17	120
Female prisoners in gaol March 31, 1932	0	24

DISCHARGES DURING THE YEAR ENDING MARCH 31, 1932

Time expired	97
Released, fine paid	3
Released on bail	2
Released as witness	1
Released on Parole	5
Released by Dr. Orr	7
Deported	2
Transferred to Ponoka Mental Hospital	2
Transferred to Hospital	2
Released for trial	15
Conviction quashed	1

137

Number of days remission earned during the year ending March 31, 1932	903
Number of prisoners participating	92
Average number of days remission per woman	9,815

DEPARTMENT OF PUBLIC WORKS

NATIONALITIES	
BRITISH:	
Canada	71
England	5
Ireland	1
Scotland	8
FOREIGN:	
Austria	9
Belgium	2
Norway	1
Poland	6
Russia	4
Spain	1
Sweden	1
United States of America	13
British	85
Foreign	37
	122
AGES	
Under twenty years	21
Twenty to thirty	52
Thirty to forty	27
Forty to fifty	14
Fifty to sixty	3
Sixty to seventy	5
	122
SENTENCES	
Under thirty days	6
Thirty days to two months	36
Two months to three months	31
Three months to four months	23
Four months to six months	6
Six months to nine months	12
One year to eighteen months	3
V. D.	5
	122
CRIMES	
AGAINST RELIGION AND MORALS	
Bawdy House, keeping	3
Bawdy House, inmate	1
Children's Protection Act	1
Disorderly House, keeping	2
Exposing to view photos to corrupt morals	1
Juvenile Delinquent Act	3
Vagrancy	39
	50
AGAINST THE PERSON	
Assault	2
Concealing birth of child	1
Neglecting to obtain assistance at child birth	1
Negligence causing grievous bodily harm	1
	5
AGAINST PROPERTY	
Arson	1
Breaking, entry and theft	1
False pretenses	2
Forgery and uttering	3
Receiving	1
Theft	22
	30
AGAINST PUBLIC LAW AND ORDER	
Unlawful assembly	1
AGAINST ANY OTHER ACT	
Domestic Animals Act	1
Liquor Act	29
Venereal Diseases Act	6
	35

PROVINCIAL GAOL—LETHBRIDGE

(W. G. EDGENTON, *Warden*)

The daily average population for the fiscal year ending March 31, 1932, was 177.23, being a decrease of 16.61 over the previous year.

Building operations and general improvements included the following:

Gaol buildings painted and redecorated throughout and roof repaired with asbestos and asphalt roofing.

All driveway light standards repainted.

Verandas of four cottages raised and repaired.

Electric refrigerator installed in boarding house.

Installation of vacuum pump in power house.

Sewerage ejector in septic tanks.

Installation of straddle stand, electric sterilizer and shower in V.D. ward.

The farm operations for the year show the following results:

	No. of Acres	No. of Bushels
Wheat	160	3,038
Oats	120	7,100
Barley	40	900
Field Peas	10	280
		No. of Tons
Hay (Alfalfa)	280	650
Potatoes	40	250
Sugar Beets	35	296
Mangels	5	100
Other vegetables	15	75½
Ensilage	20	300

FINANCIAL STATEMENT

Administration	\$ 62,568.49
Maintenance	5,080.56
Operation	16,032.85
Gross	83,681.90
Less Revenue	20,679.26
	<u>\$ 63,002.64</u>

Average daily population 177.23

Per Capita Cost per Prisoner per year \$ 472.16
 Per Capita Cost per Prisoner per day 1.293
 Net Cost per Capita per Day 97.4

NUMBER OF PRISONERS ADMITTED AND DISCHARGED DURING 1931-1932

Month	Daily average	Sent.	Admitted Comm.	Rem.	Sent.	Discharged Comm.	Rem.
On hand at close of last statement	180	---	---	2	---	---	---
April, 1931	193.66	114	6	4	113	1	6
May 1931	167.58	89	5	4	94	6	4
June 1931	172.63	92	2	3	112	4	3
July 1931	202.35	137	17	3	102	11	2
August 1931	170.40	72	6	7	95	5	6
September 1931	173.60	77	2	11	78	9	12
October 1931	175.16	89	5	6	88	4	8
November 1931	172.73	74	5	4	69	7	4
December 1931	183.84	98	---	5	85	---	4
January 1932	182.27	79	2	6	97	---	3
February 1932	161.02	51	2	2	63	---	1
March 1932	138.06	58	2	2	81	4	4
Monthly average	177.44	Total 1210	54	57	1077	53	57
Total number of prisoners admitted during year 1931-1932							1,321
Total number of prisoners discharged during year 1931-1932							1,187
					Sent.	Comm.	Rem.
Number of prisoners in Gaol on March 31, 1931					180	---	2
Number of Prisoners admitted during 1931-1932					1,030	54	55
Total					1,210	54	57
Number of prisoners discharged during year 1931-1932					1,077	53	57
Number of prisoners in Gaol on March 31, 1932					133	1	---
Number of prisoners who served previous sentences							553
Number of days remission earned during year 1931-1932							7,684
Number of prisoners participating							782
Number of days remission per prisoner							9,826

SENTENCES

Under Thirty Days	269		
Thirty days to two months	546	Death penalty	3
Two months to three months	129		
Three months to four months	25		1,202
Four months to five months	4	Committed for trial	54
Five months to six months	81	Remanded	57
Six months to nine months	48		101
Nine months to one year	66	Sent to Prince Albert Penitentiary	5
One year to eighteen months	19	Held under Immigration Act....	1
Eighteen months to twenty three months	2	Held under the Venerable Dis-eases Prevention Act.....	2
Two years less one day	10		3
	<u>1,199</u>	Total	<u>1,321</u>

DEPARTMENT OF PUBLIC WORKS

DISCHARGES

Completion of sentence	983	To Court	99
Deported	33	To Galt Hospital Lethbridge	1
Fine and Costs Paid	16	To Prince Alberta Penitentiary....	5
Paroled	9	To Ponoka Asylum	10
Released on Bail	14		
Released on order of Attorney General	2	Escaped	1,181
Released on District Court Order	1	Suffered Death Penalty	3
Released on Order of Governor General	1		
Released on Order of Secretary of State	1	Total Discharge	1,187
Released on Supreme Court Order	6	Prisoners Undischarged	134
			1,321

AGES

Under twenty	165	Fifty to sixty	86
Under thirty	561	Sixty to seventy	18
Thirty to forty	289	Over seventy	6
Forty to fifty	196		
			1,321

NATIONALITIES

BRITISH:		Finland	16
Australia	2	Germany	16
Canada	612	Holland	6
England	124	Hungary	24
Ireland	40	Italy	6
Isle of Man	2	Japan	2
India	5	Jugo-Slavia	2
Newfoundland	1	Lithuania	1
Scotland	78	Norway	26
Wales	14	Poland	29
		Roumania	13
FOREIGN:		Russia	37
Austria	31	Sweden	17
Belgium	5	Switzerland	6
Bulgaria	1	South America	2
Czecho-Slovakia	12	Ukraine	5
China	12	United States of America	155
Denmark	15	Total British	878
France	4	Total Foreign	433
			1,321

CRIMES

AGAINST RELIGION AND MORALS

Bigamy	2	Incest	3
Carnal knowledge	6	Indecent Act	4
Carnal knowledge, attempted	3	Juvenile Delinquency Act	1
Child delinquency, contributing to ..	4	Prostitution, living off the avails of ..	3
Disorderly House:		Rape	4
Keeper of bawdy house	1	Seduction	4
Keeper of Disorderly house	2	Vagrancy	301
Inmate of Disorderly house	1		
			339

AGAINST THE PERSON

Assault:		Murder, attempted	1
Common	29	Non-support	11
Indecent	4	Unlawfully wounding	5
Causing bodily harm	9	Wounding with intent	2
On Peace Officer	6		
Murder	3		70

AGAINST PUBLIC LAW AND ORDER

Contempt of Court	1	Resisting arrest	2
Escape from custody	3	Sedition	1
Perjury	2	Unlawful Assembly	20
Possession of offensive weapon	15		
			44

AGAINST PROPERTY

Arson	3	Receiving stolen goods	26
Assault with intent to rob	1	Robbery with violence	15
Breaking, entering and theft	57	Robbery while armed	1
Breaking and entering with intent ..	13	Taking automobile without owner's consent	2
False pretenses	86	Theft	243
Fraud	2	Wilful damage	13
Forgery	18		
Forgery and uttering	8		488

AGAINST ANY OTHER ACT

Desertion from Army	1	Liquor Control Act	168
Domestic Animals Act	2	Municipal by-laws	2
Excise Act	15	Opium and Narcotic Drug Act	13
Forestry Act	1	Railway Act	102
Game Act	6	Unmarried Parents Act	1
Immigration Act	4	Vehicle and Highway Traffic Act	9
Indian Act	44	Venereal Diseases Act	2
Intoxicated while in charge of automobile	10		380